

Figure A shows the element that helps the other element

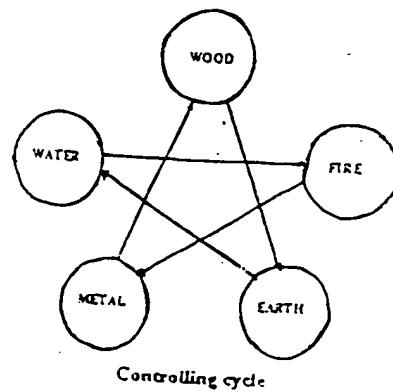


Figure B shows the element that controls the other element

Any imbalance (excess or deficiency) of one element leads to disturbance in other elements and becomes the root cause of a disease. The health of human body is achieved by managing and controlling the above elements in Chinese medicine. Most of the world traditional philosophies follow the same concept.

Figure 1

Prior Art

Figure 2
Prior Art

~~Relation of colors with humors~~

VATA	KAPHA	PITTA

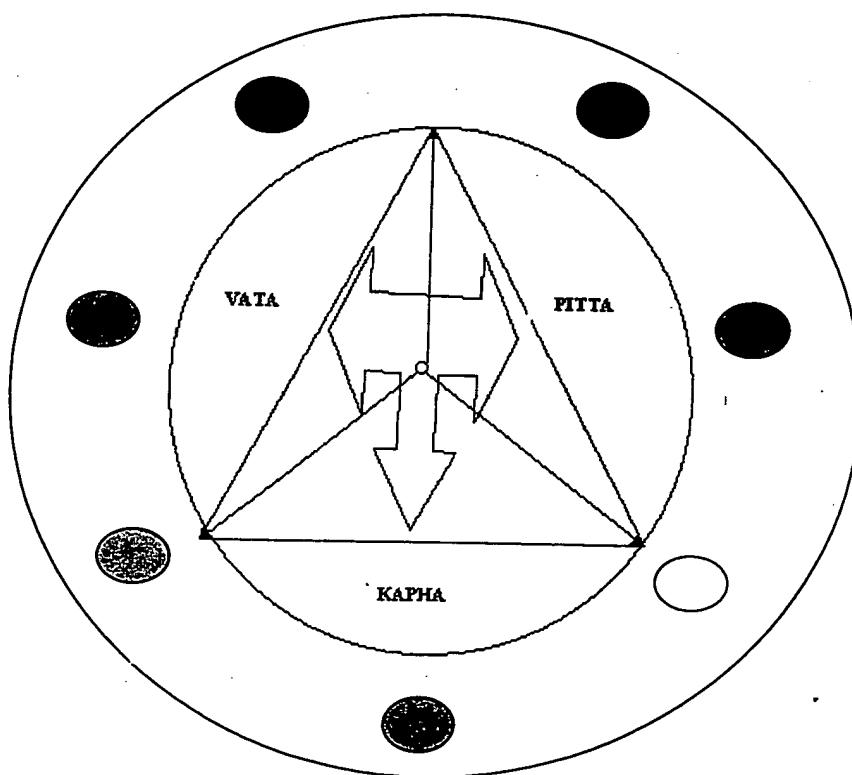


Figure 3

THE SHILAJIT EXAMPLE

Figure 4

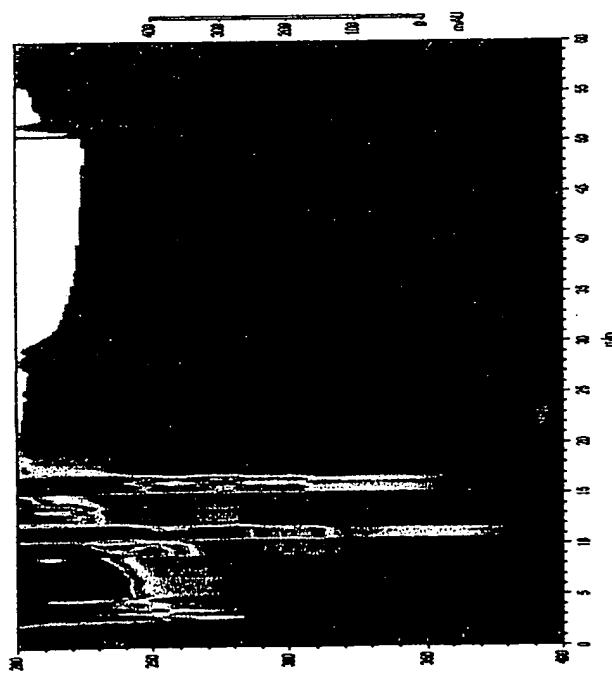
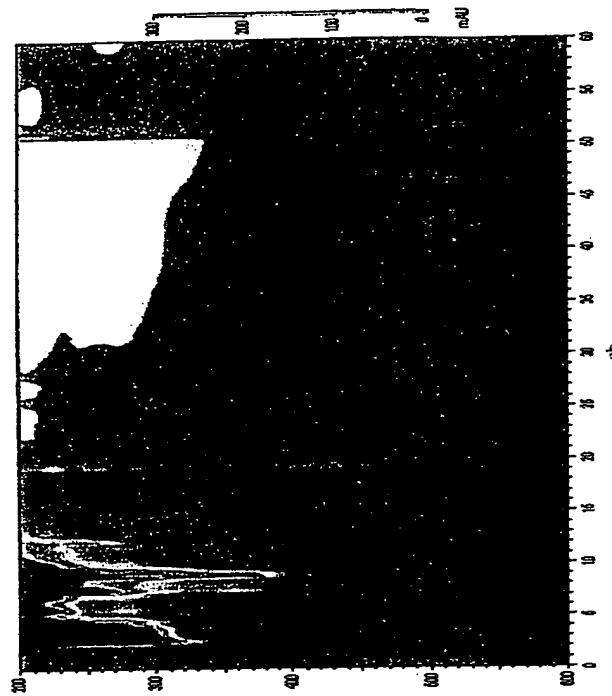
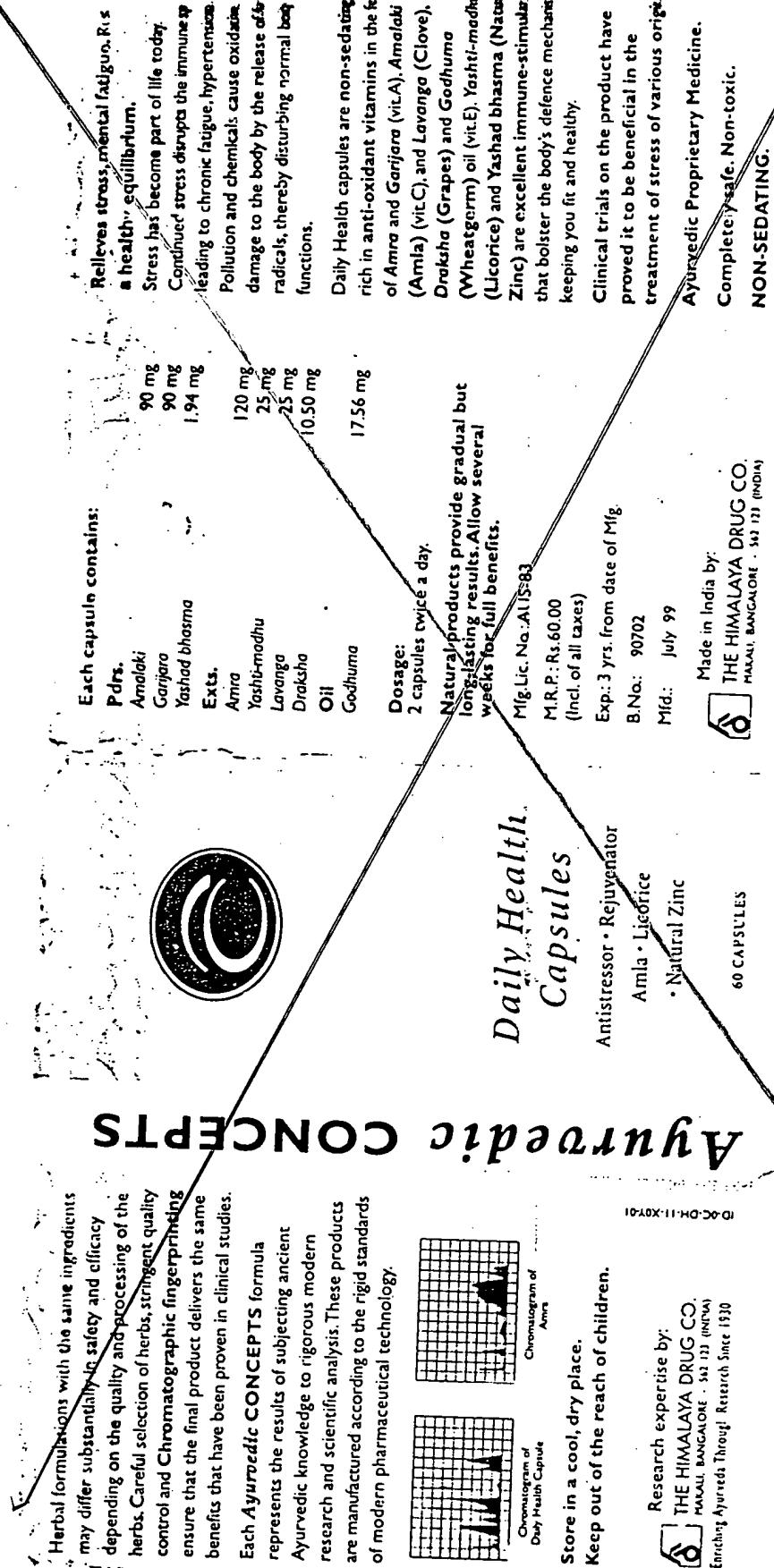


Figure 4



The chromatographic fingerprint does not give any clear information about the polarity and conjugative properties of the constituents.

**CHROMATOGRAMS OF A COMMERCIAL TURMERIC POWDER AT
AT DIFFERENT WAVELENGTHS
(The existing method)**

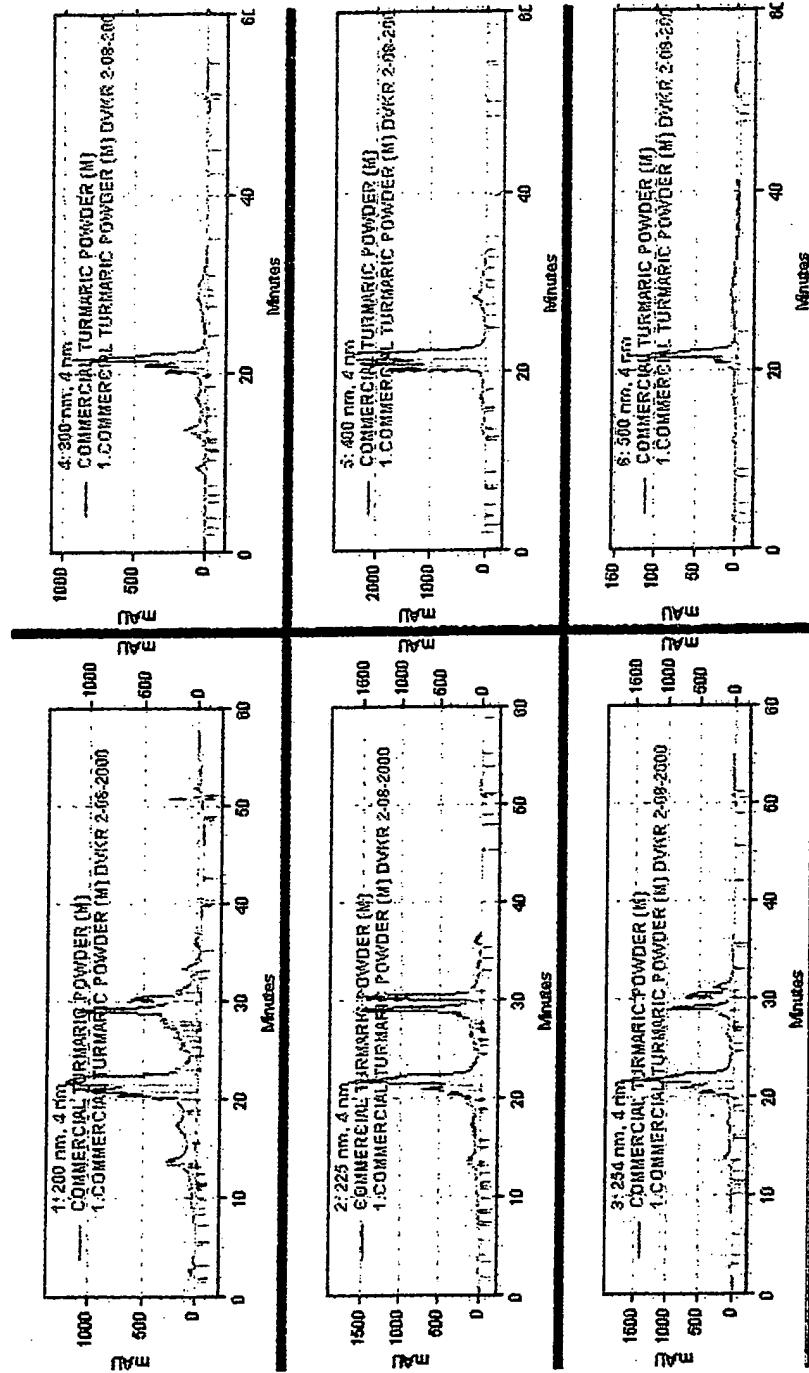


Figure 5

CHROMATOGRAMS OF A FURAZOLIDINE MEDICINE

AT DIFFERENT WAVELENGTHS

(The existing method)

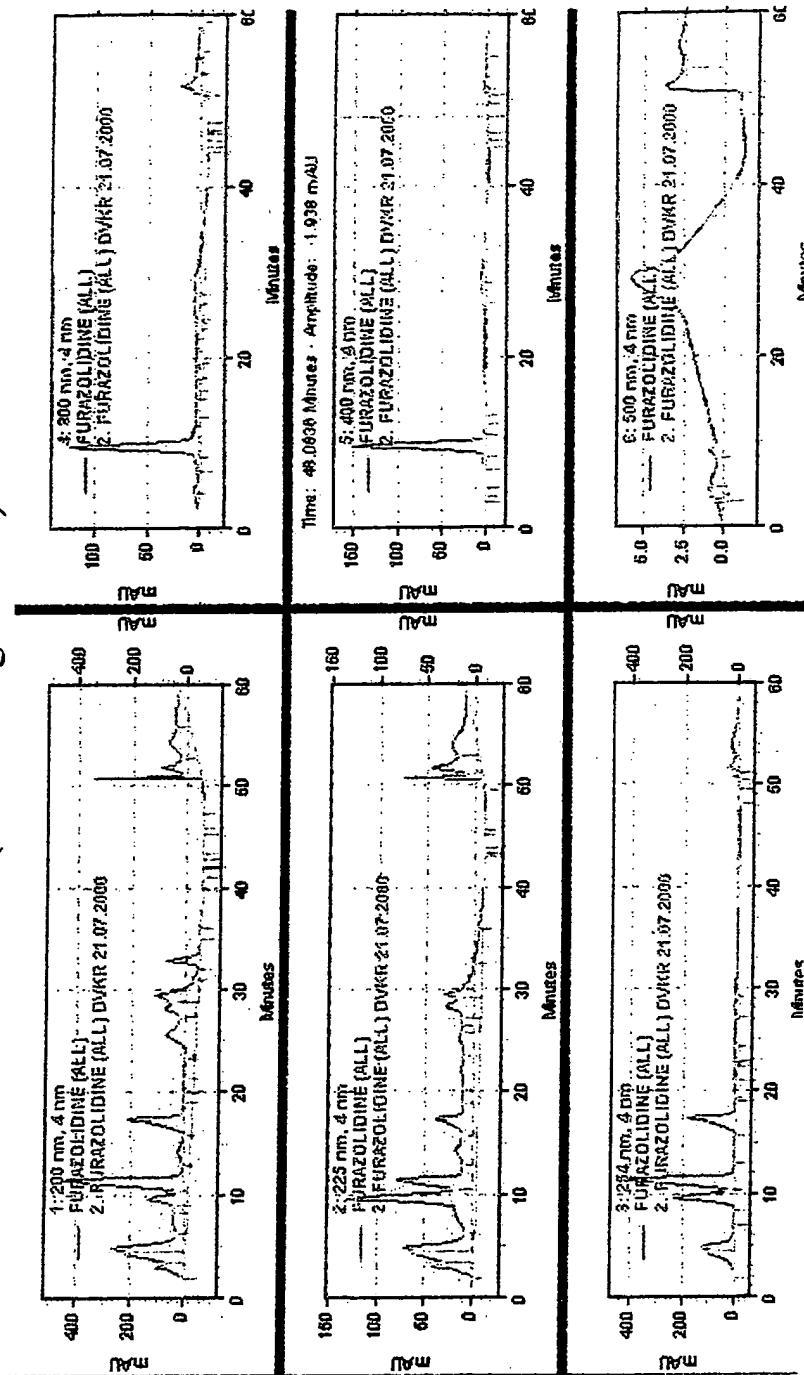


Figure 6

CHROMATOGRAMS OF A HERBAL FORMULATION

-KRIMI KUTARA RAS-

AT DIFFERENT WAVELENGTHS—

(The existing method)

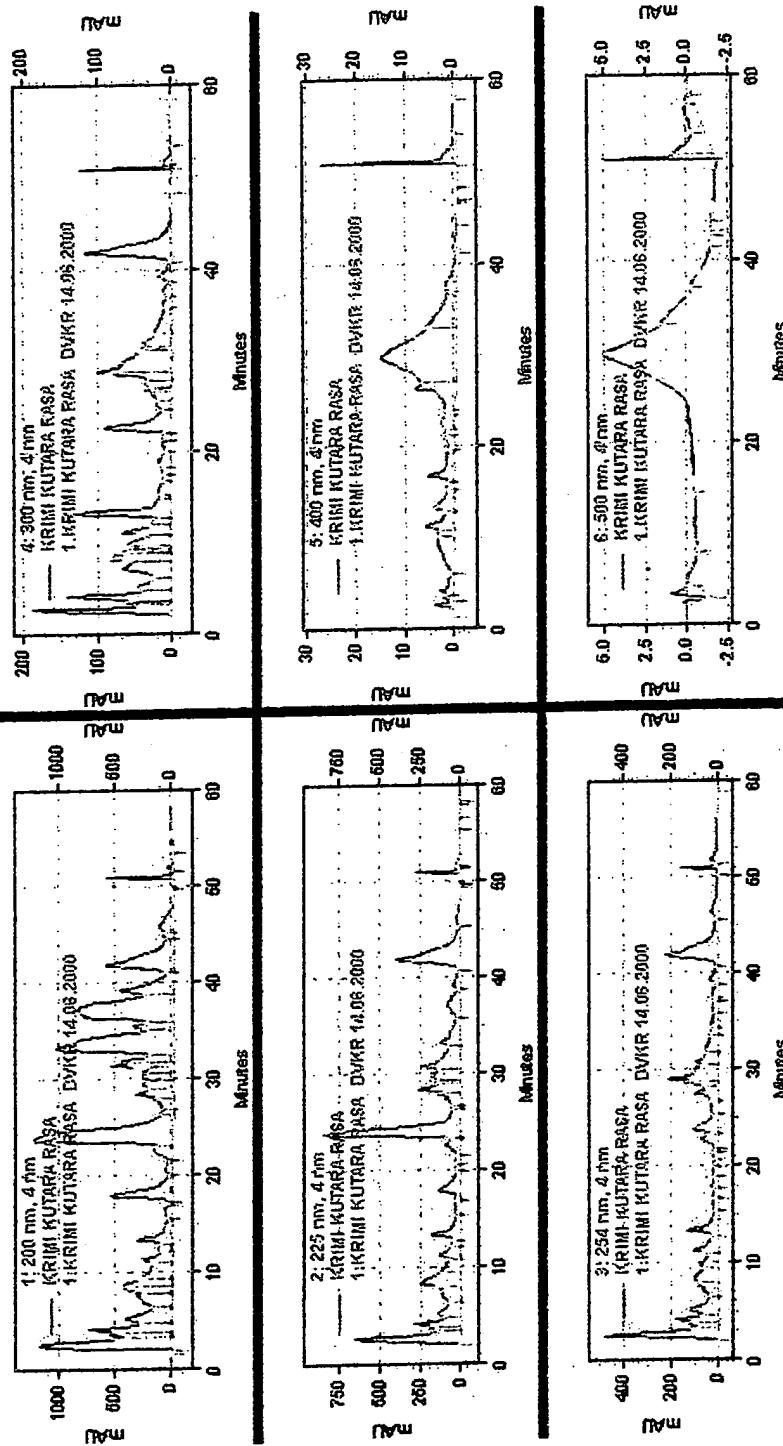


Figure 7

CHROMATOGRAMS OF A HERBOMINERAL MEDICINE

—SHILAJIT (GOOD BY EFFICACY) —

—AT DIFFERENT WAVELENGTHS —

(The existing method) —

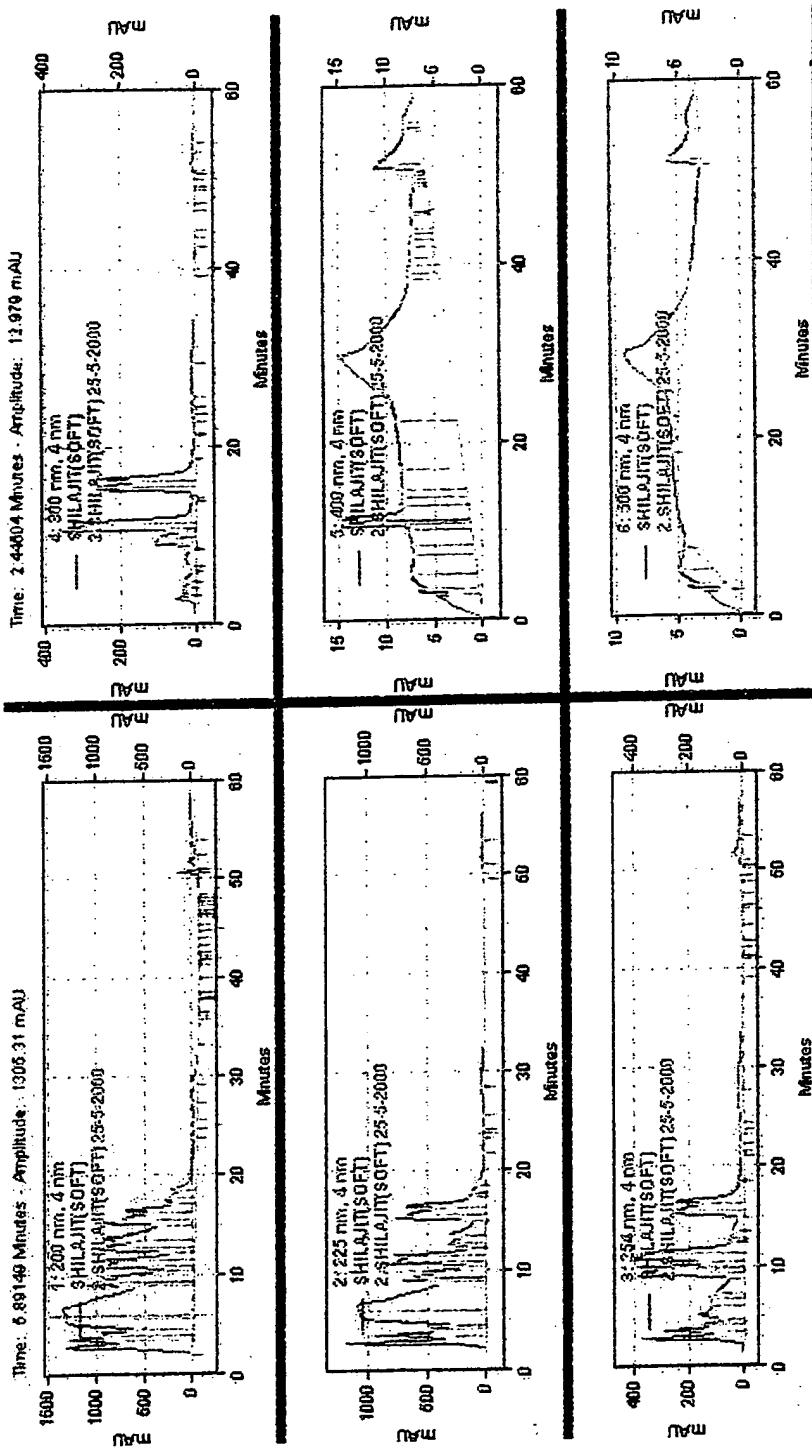


Figure 8

—CHROMATOGRAMS OF A HERBOMINERAL MEDICINE—

—SHILAJIT (POOR-BY-EFFECTACY)—

—AT DIFFERENT WAVELENGTHS—

(The existing method) —

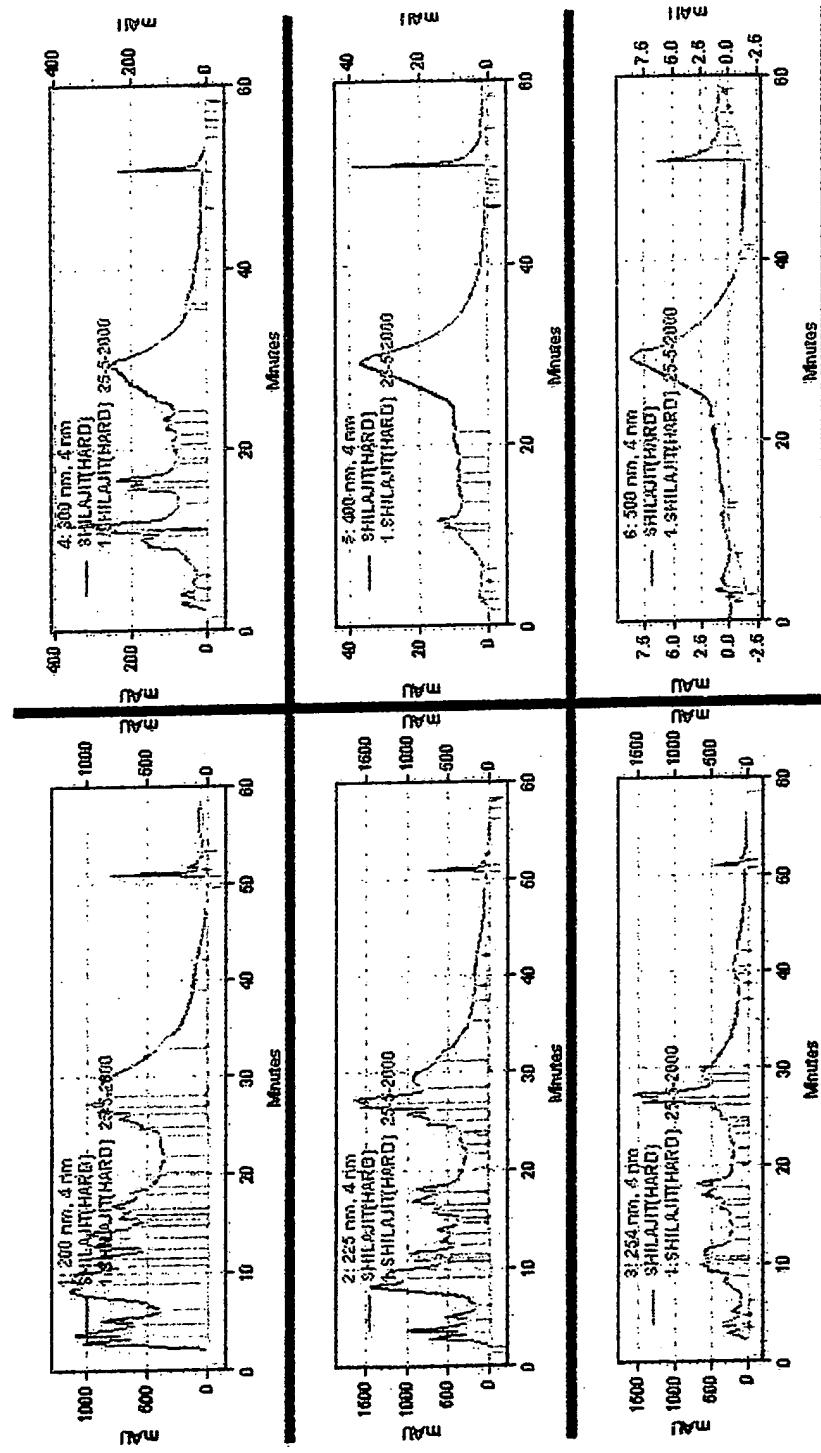


Figure 9

CHROMATOGRAMS OF A HERBAL FORMULATION

SURYAVARTI AT DIFFERENT WAVELENGTHS (The existing method)

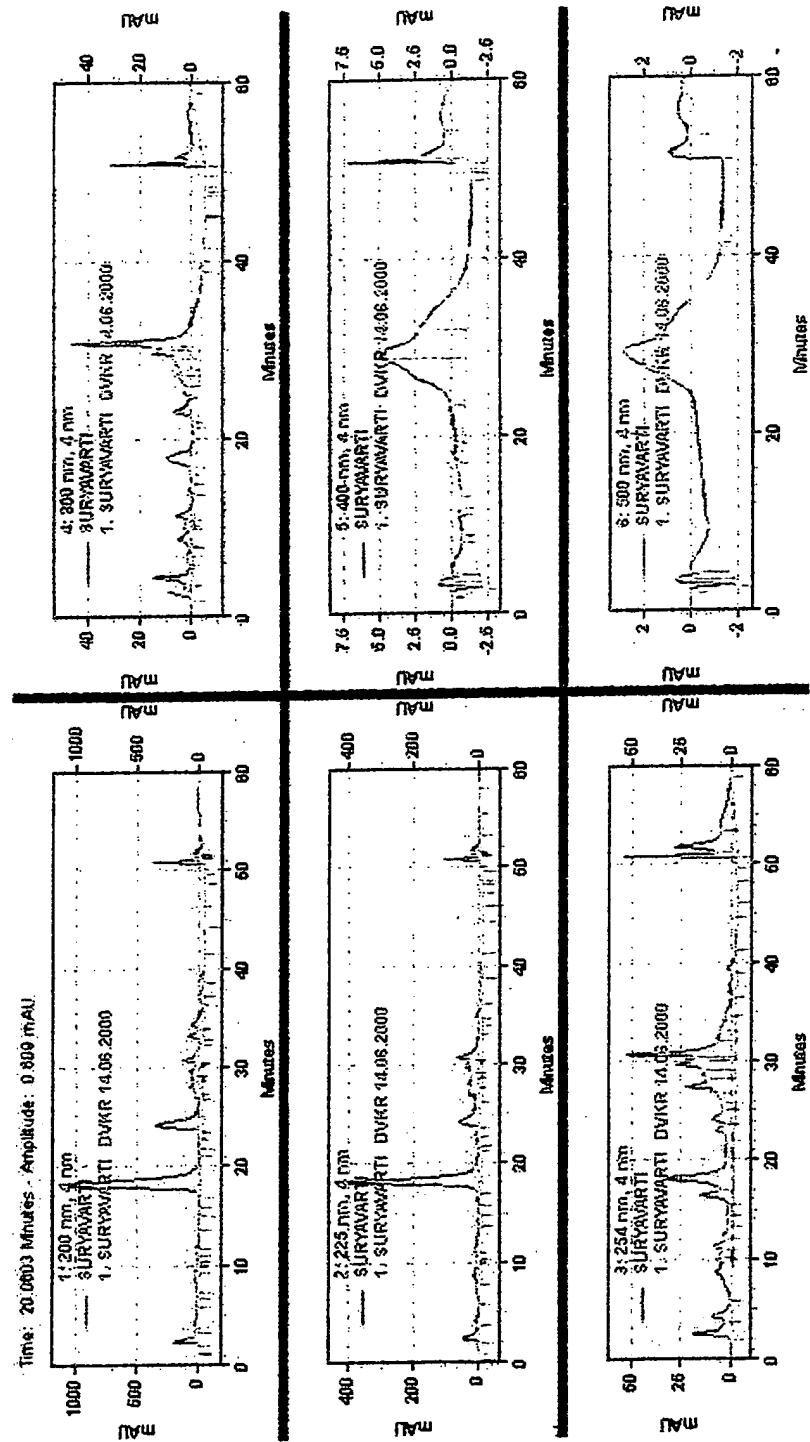


Figure 10

CHROMATOGRAMS OF A HERBAL-FOOD-PRODUCT

TEA

AT DIFFERENT WAVELENGTHS

(The existing-method)

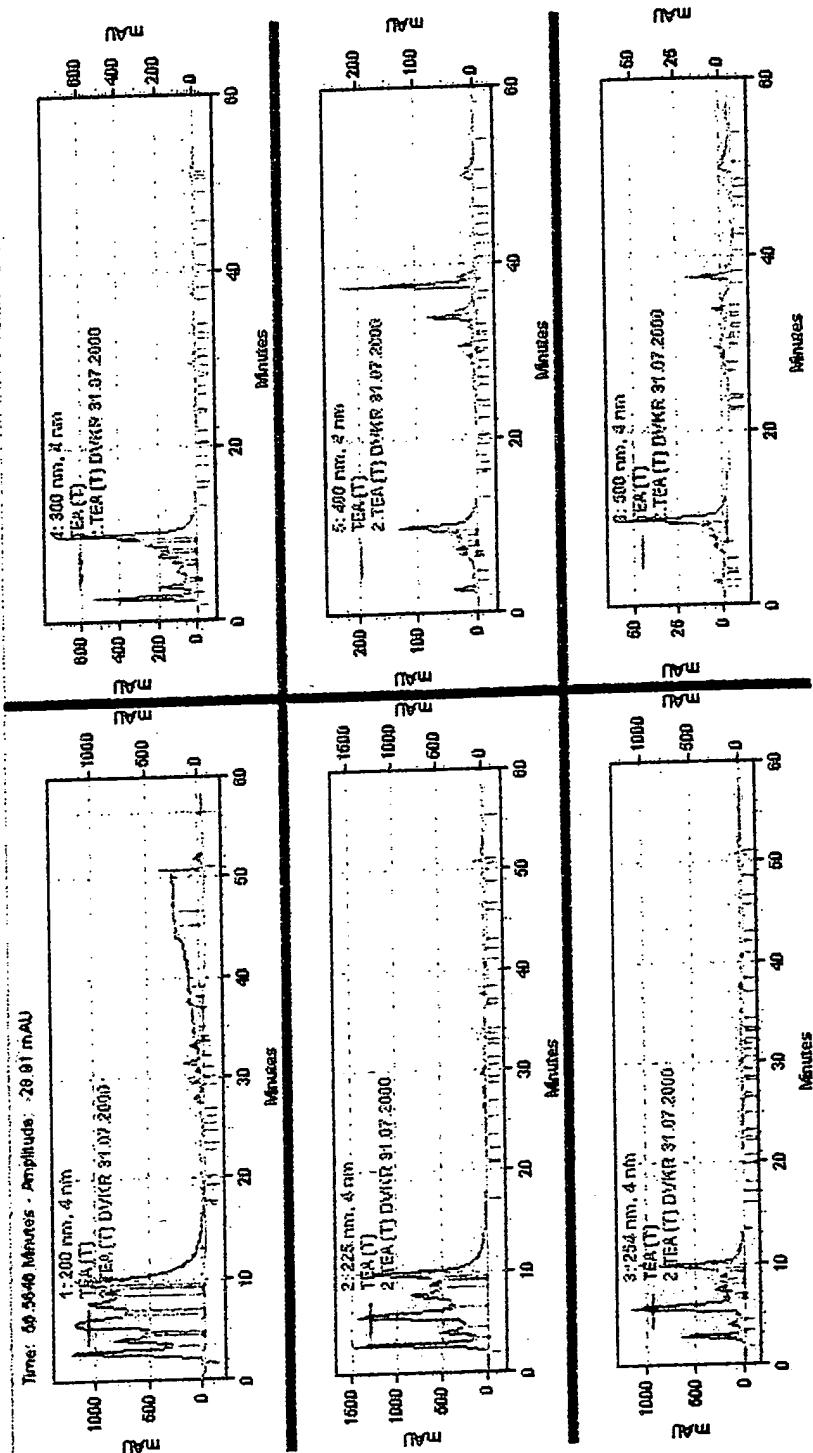


Figure 11

**CHROMATOGRAMS OF A HERBAL FORMULATION
TRIKUTU FORMULATION OF PIPPALI, MARCHHA AND SHUNTY
AT DIFFERENT WAVELENGTHS—**
(The existing method)

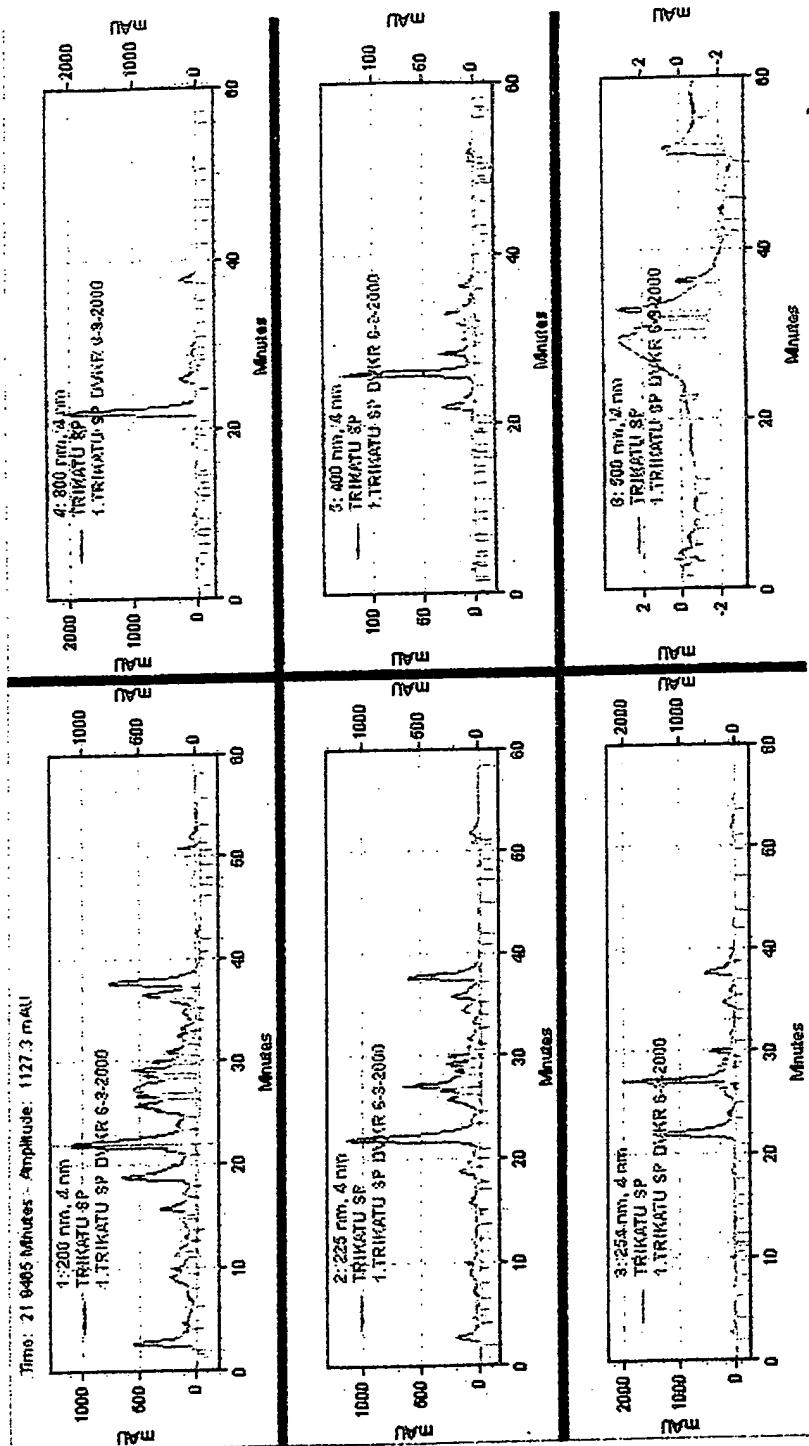
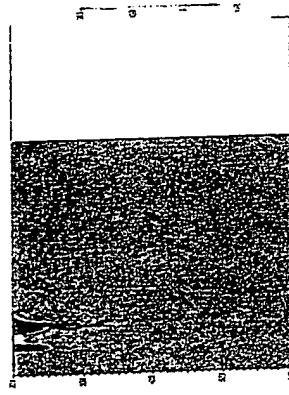


Figure 12

—THE YELLOW-MEDICINES—



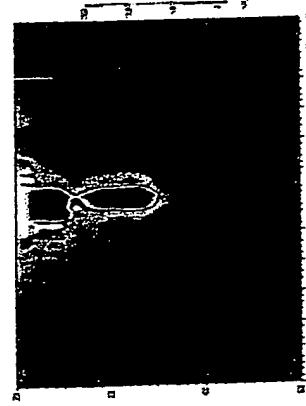
**COSCINIUM
FENESTRATUM**



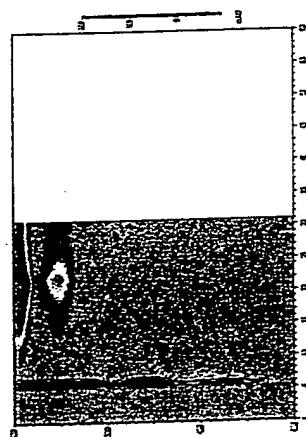
**ZINZIBER OFFICINALE
(PROCESSED)**



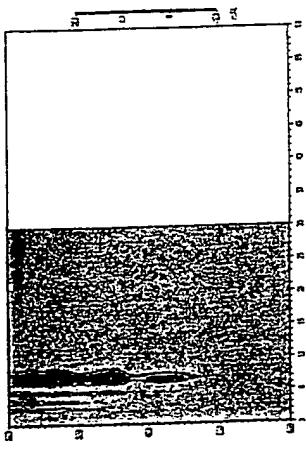
CURCUMA LONGA



CUMMIPHORA MUKUL



BERBERIN



BERBERIS ARISTATA

(FLUKA STANDARD)

THE FINGERPRINTS OF CONTROVERSIAL DRUGS (SANDIGDHADRAVYAS) SHOWS
A CLEAR DIFFERENCE IN APPEARANCE MAKING THE IDENTIFICATION MORE EASY.

Figure 13

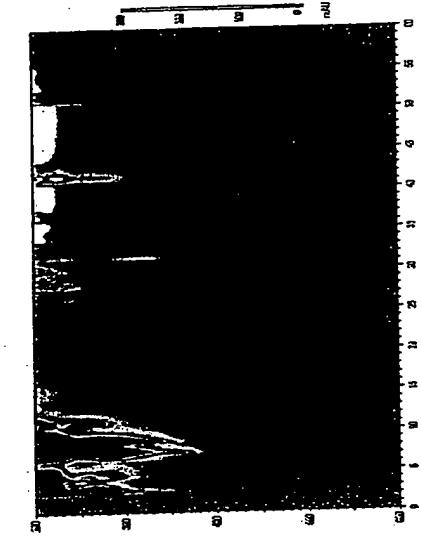
PITTA HARA

Z₁



PICRORHIZA KURRO

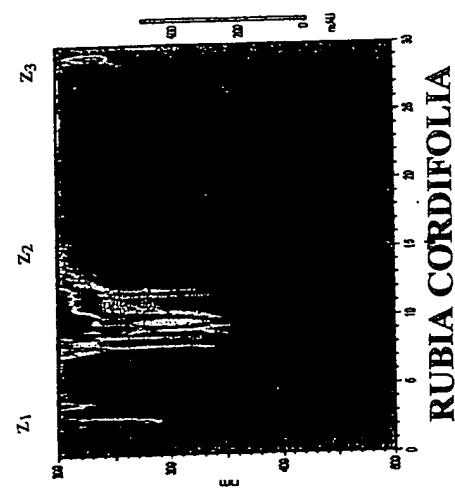
Z₁



AROGYA VARDHINI

AVIPATTAKARA CHURNA

THE PRESENCE OF CONSTITUENTS IN ZONE I INDICATES THE SAID EFFICACY OF THE MEDICINES



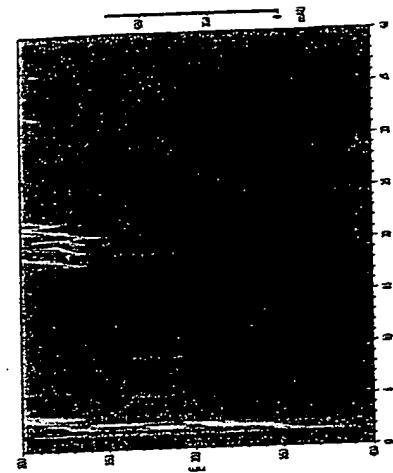
RUBIA CORDIFOLIA

Z₁ Z₂ Z₃

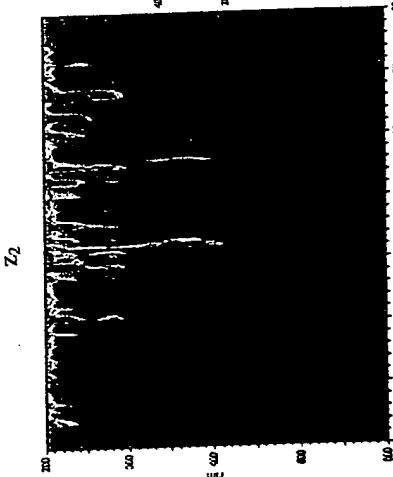


Figure 14

Z₂

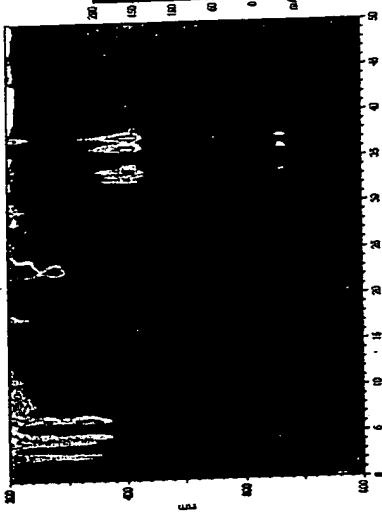


KAPHA HARA



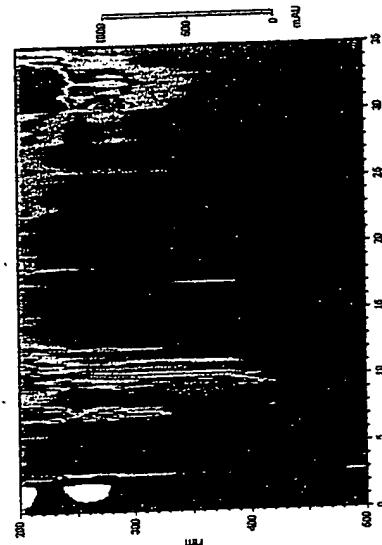
ZINZIBER OFFICINALE
(DRY)

Z₂



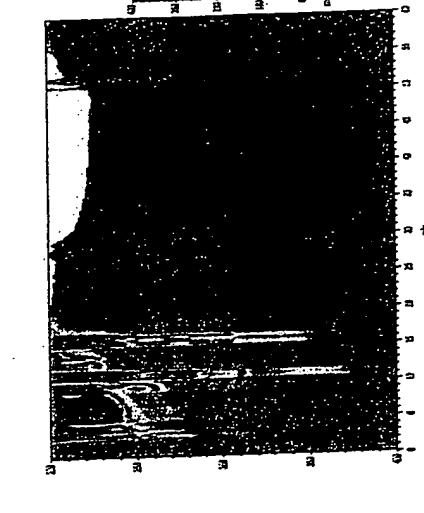
OCIMUM SANCTUM

Z₂



GLYCERHIZA GLABRA

INNULA RACEMOSA



SHILAJIT

SAUSSUREA LAPPA

THE PRESENCE OF CONSTITUENTS IN ZONE 2 INDICATES THE SAID EFFICACY OF THE MEDICINES

Figure 15

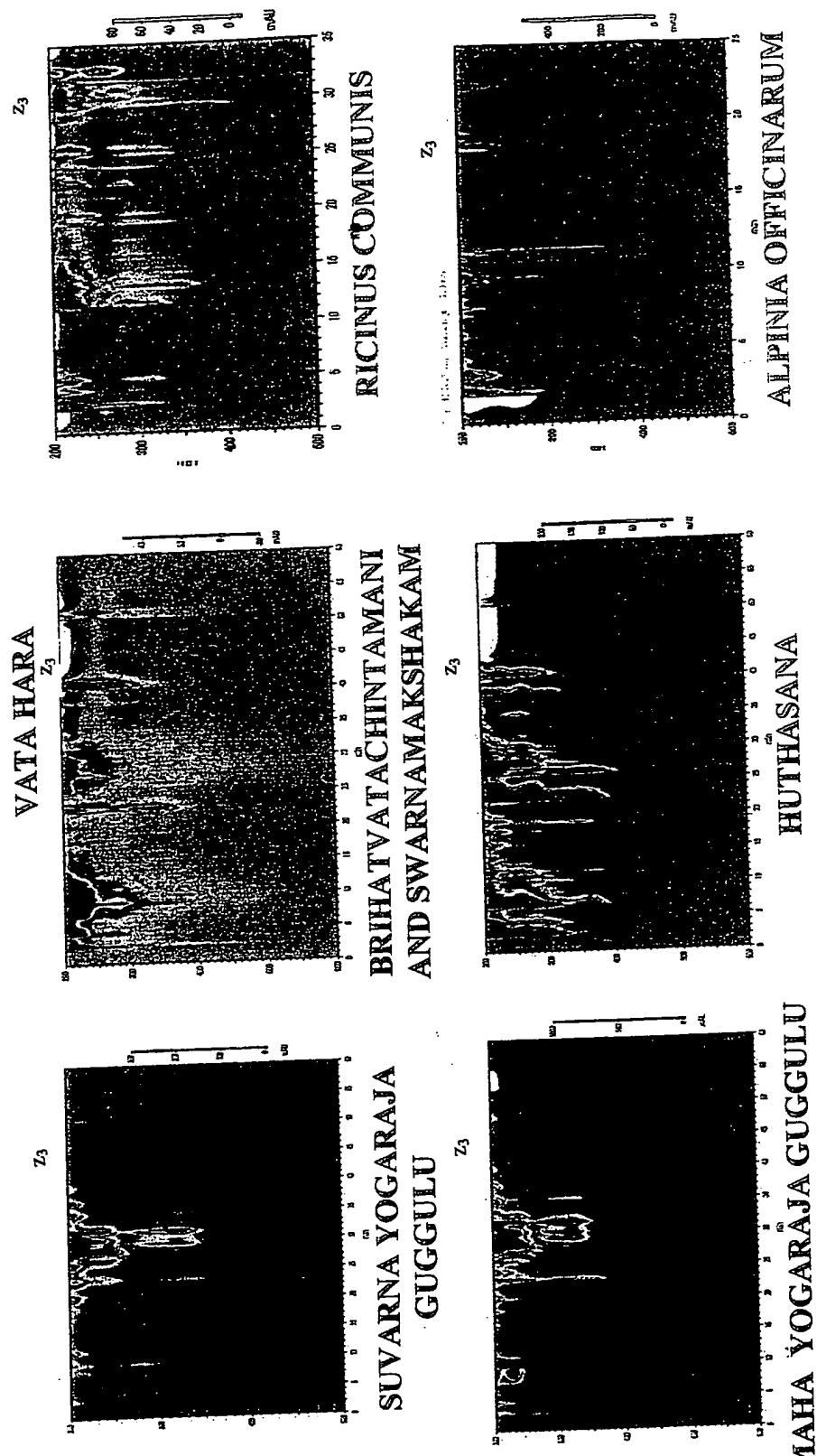
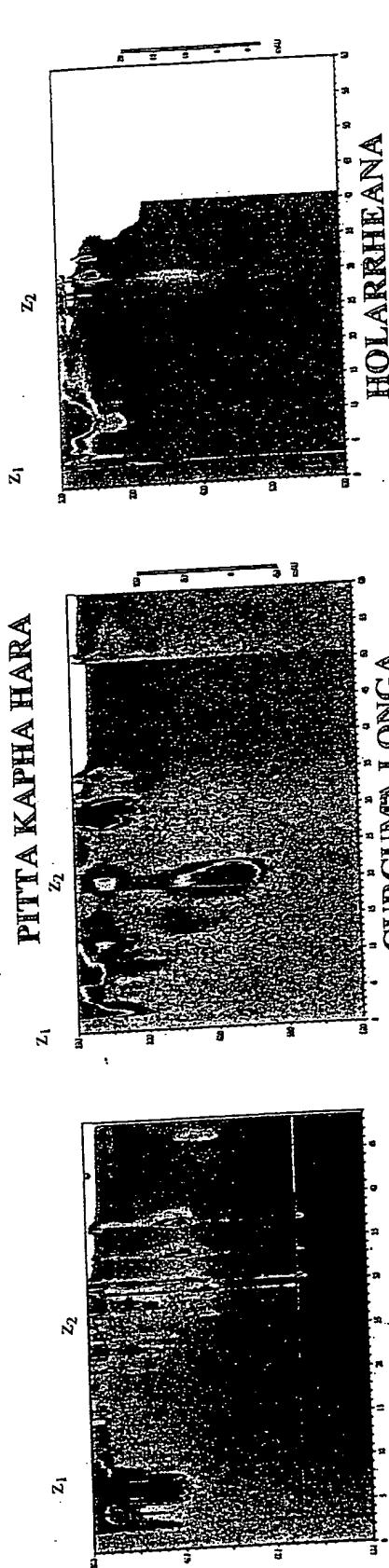


Figure 16

PITTA KAPHA HARA

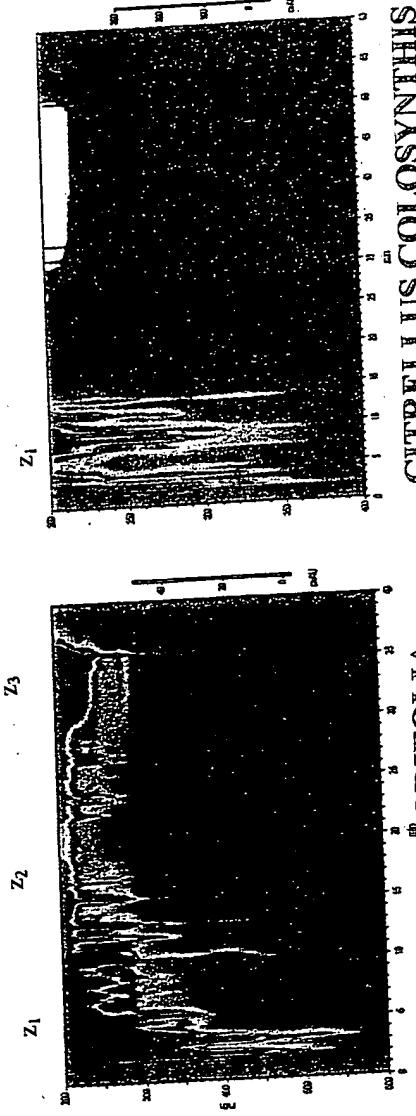


AZADIRACHTA INDICA

HOLARRHEANA
ANTIDISENTRICA (KERALA)

Figure 17

CURCUMA LONGA



BERBERIS ARISTATA

PSORELIA CORIFOLIA

CITRELLUS COLOSYNTHIS

THE-PRESENCE-OF-CONSTITUENTS-IN-ZONE-1-AND-ZONE-2-INDICATES-THE-SAID-EFFICACY-OF-THE-MEDICINES

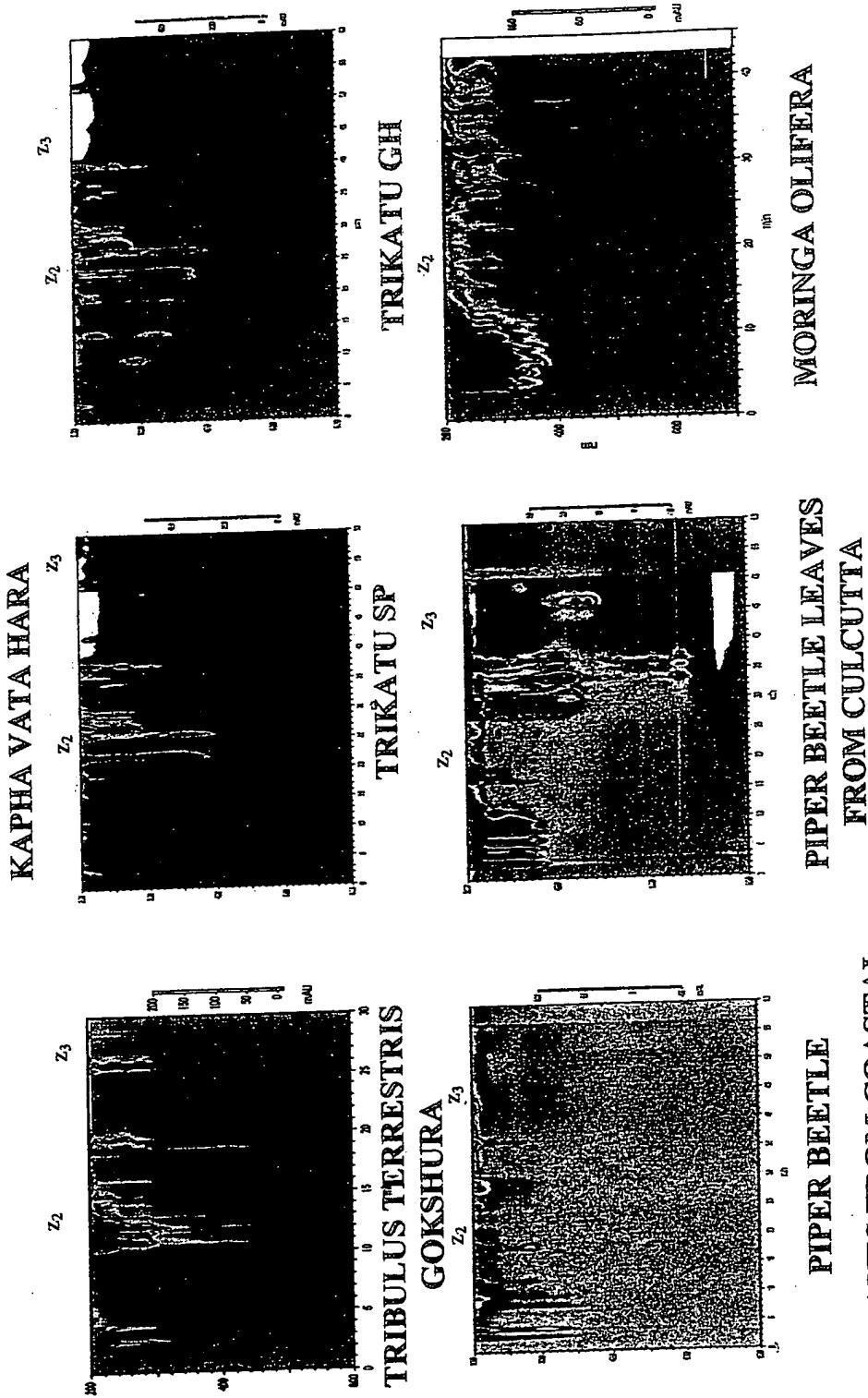
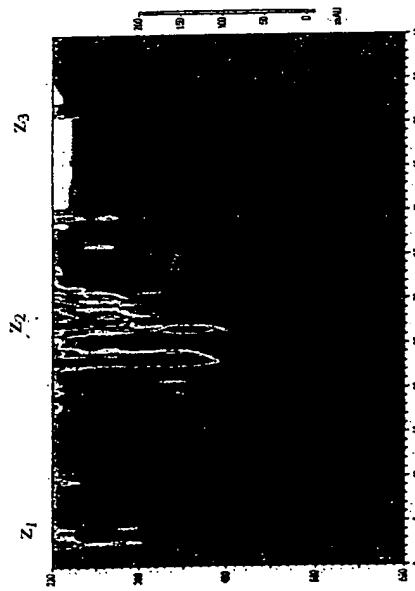


Figure 18

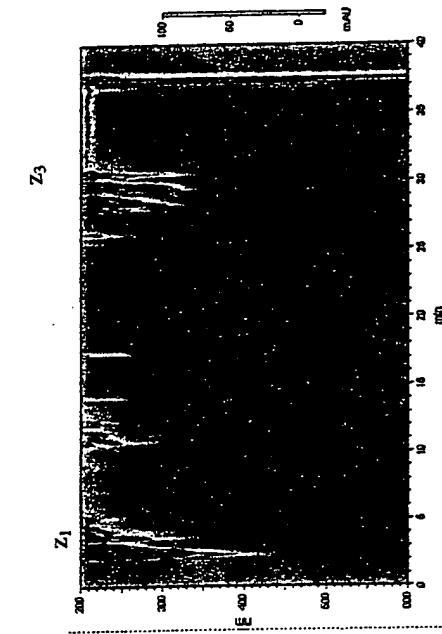
THE—PRESENCE—OF—CONSTITUENTS—IN—ZONE—2—AND—ZONE—3—INDICATES—THE—SAID—BRIEFLY—OF—THE—MEDICINES

PITTA VATA HARA



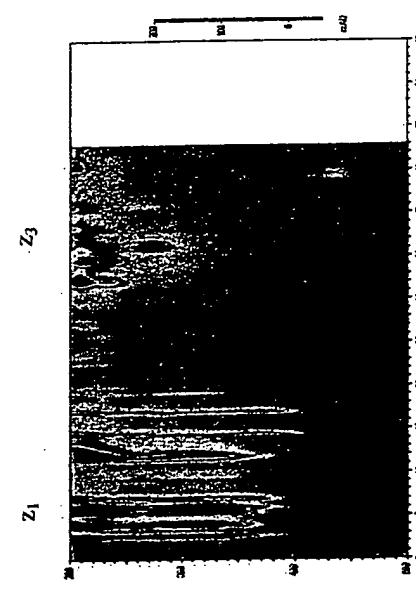
KANCHANARA GUGGULU

ANANDA BHAIKRAVI



KANCHANARA GUGGULU

THE PRESENCE OF CONSTITUENTS IN ZONE-1 AND ZONE-3 INDICATES THE SAID EFFICACY OF THIS MEDICINE.



BACOPA MONNERI

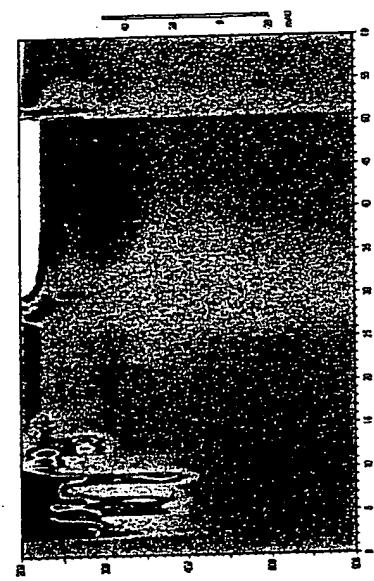
Figure 19

TRI. DOSHA HARA

Z_1

Z_2

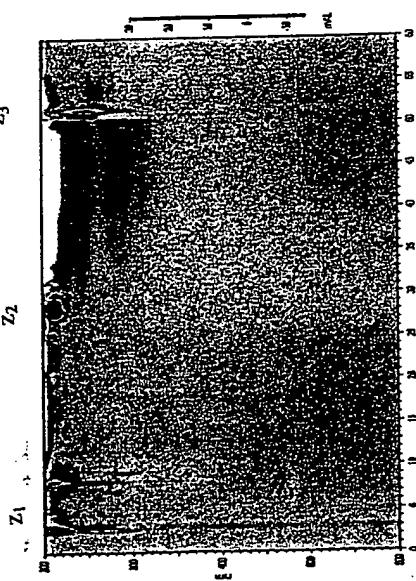
Z_3



ALLIUM CEPA (BIG)

WITHANIA PUBISCENCE

RED SEEDS



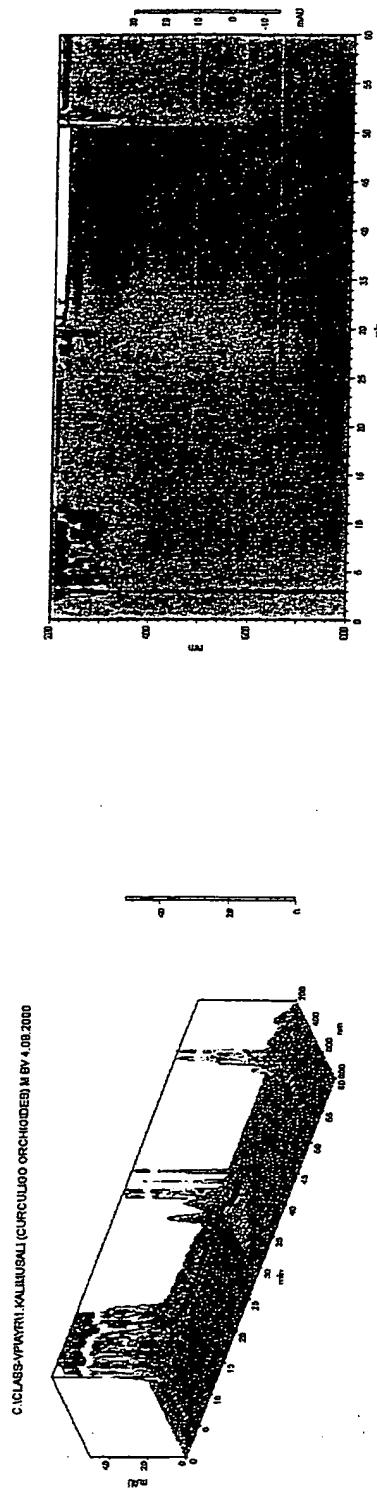
EMBLICA OFFICINALIS

MAHALAKSHMI VILAS RAS

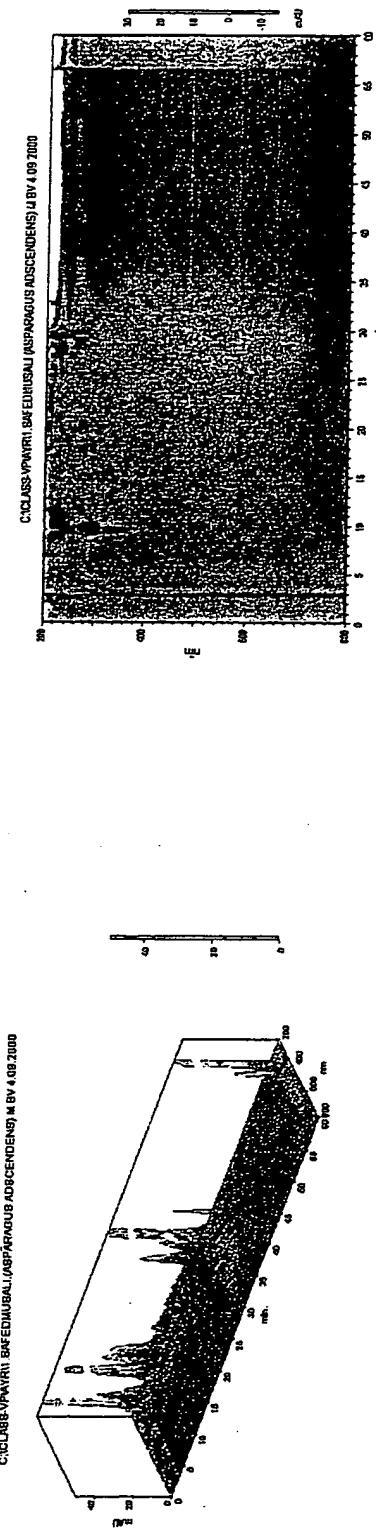
THE-PRESENCE-OF-CONSTITUENTS-IN-ALL-THREE-ZONES-INDICATES-THE-SAID-EFFICACY-OF-THE-MEDICINE.

Figure 20

Figure. — MUSALLI—A-TRIDESHA-HARA-MEDICINE



FINGER PRINTS OF CURCULIGO ORCHOIDIS (KALIMUSALLI)



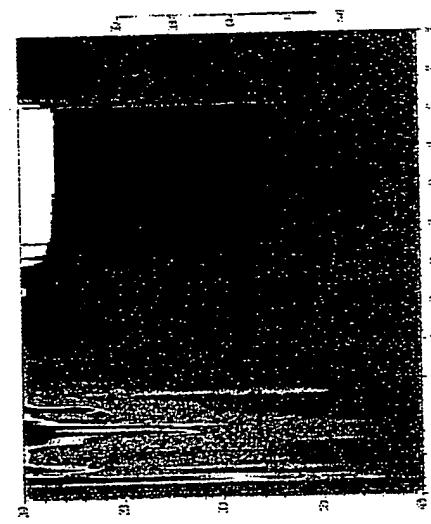
FINGER PRINT OF ASPARAGUS ADESCENDENS (SAFED MUSALLI)

Figure 21

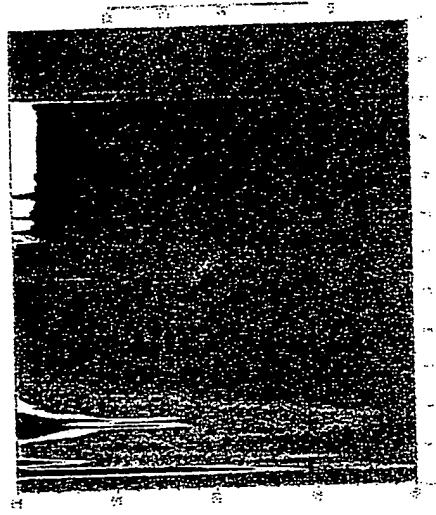
CITRULLUS-COLOSYNTHIS

(THOMAS CO. MEDICINE)

Very bitter peak of difference



Light in bitterness absent



CITRULLUS-COLOSYNTHIS

GOOD BY EFFICACY

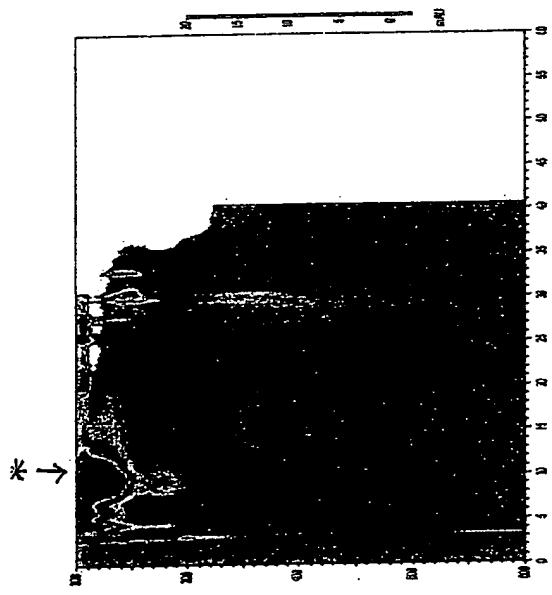
THE LACK OF SOME CONSTITUENTS IN THE FINGER-PRINT SHOWS THE USE OF THIS METHOD FOR THE STANDARDIZATION OF EXTRACTS OR OTHER MOTHER-THICKES FROM PLANTS

This supports the claim of taste-identification used for therapeutic standardization.

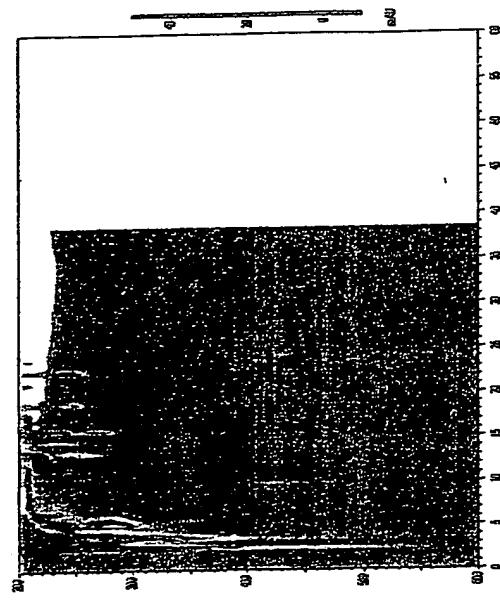
CITRULLUS-COLOSYNTHIS

POOR BY EFFICACY

INFLUENCE-OF-ECOLOGICAL-FACTORS-



HOLARRHENA ANTIDYSENTERICA
KERALA



HOLARRHENA ANTIDYSENTERICA
ANDHRA PRADESH

THE-FINGER-PRINTS-SHOWS-THE-INFLUENCE-OF-ECOLOGICAL-FACTORS-ON-THE-
CHEMICAL-CONSTituENTS-OF-THE-PLANT-MATERIAL-OF—

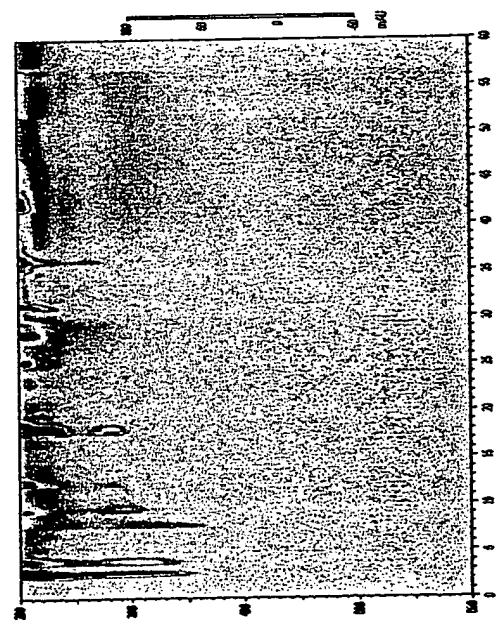
-DIFFERENT-TROPICAL-ZONES-OF-THE-COUNTRY.—

*—This—constituent—is—basic—in—nature—because—the—basic—or—alkaline—amines—elutes—strengthened—
or—elongated.—Acid—compounds—elute—fast—like—a—sharp—peak.—

Figure 23

Figure 24

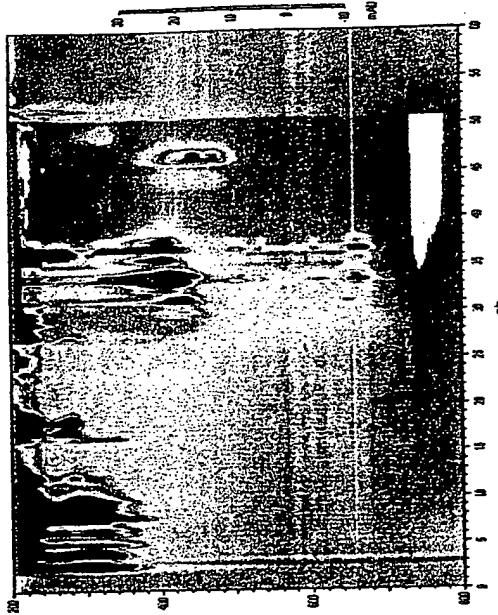
PIPER BEEFLE-EXAMPLE



BEETLE LEAVES FROM COASTAL
ANDHRA PRADESH

Aurones and Chareones (flavonoids) are antioxidants. A combinatorial library of _____ can be seen.

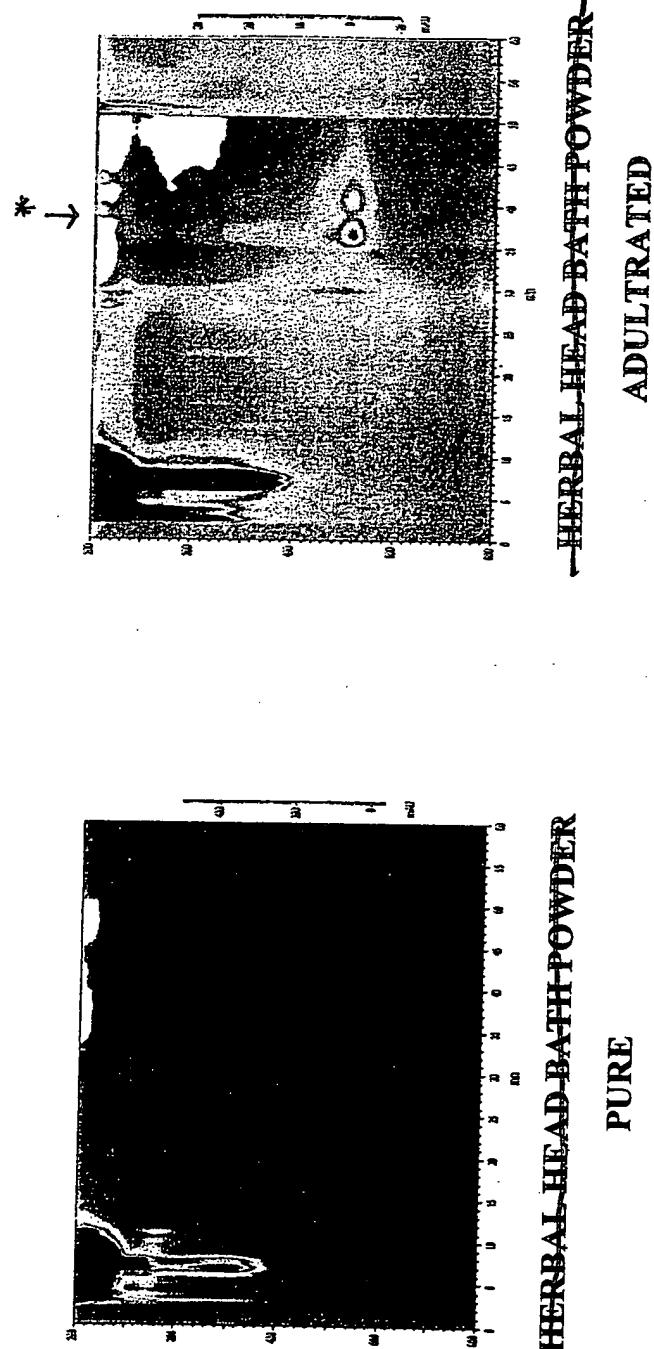
BEETLE LEAVES FROM
CALCUTTA



THE FLAVONOID PRESENT IN THE TIME RANGE OF 30-40 MIN SHOWS THE INFLUENCE OF GENOTYPIC, PHENOTYPIC VARIATIONS AND ECOLOGICAL FACTORS ON THE CHEMICAL CONSTITUENTS OF THE PLANT MATERIAL OF DIFFERENT TROPICAL ZONES OF THE COUNTRY

Figure 26

HERBAL HEAD BATH POWDERS—

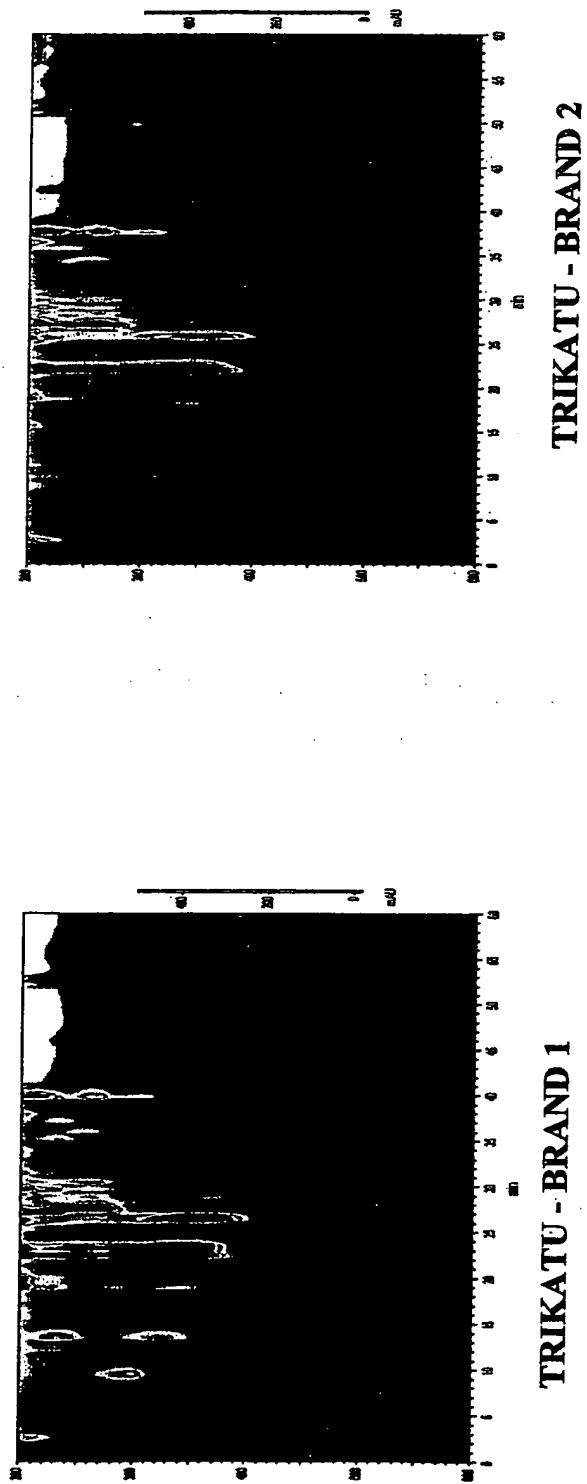


THE ABOVE FINGER PRINTS SHOW THE ADULTERATION OF DETERGENTS IN THE SAID HERBAL COSMETIC PRODUCT. THUS FINGER PRINTING HELPS TO MONITOR THE ADULTERATIONS IN VARIOUS COMMERCIAL HERBAL PRODUCTS

* *Constituents at 35-40 minutes are highly basic and soapy in nature. The pure detergent sample are eluting at the same time.*

Figure 27

HERBAL FORMULATIONS OF DIFFERENT BRANDS



THE ABOVE EXAMPLE OF TRIKATU SHOWS DIFFERENCE IN THE ASSAY AND VARIATIONS IN THE CHEMICAL CONSTITUENTS. THE REASON MAY BE DUE TO THE VARIATIONS IN THE SINGLE MEDICINES USED TO PREPARE THE FORMULATIONS.—

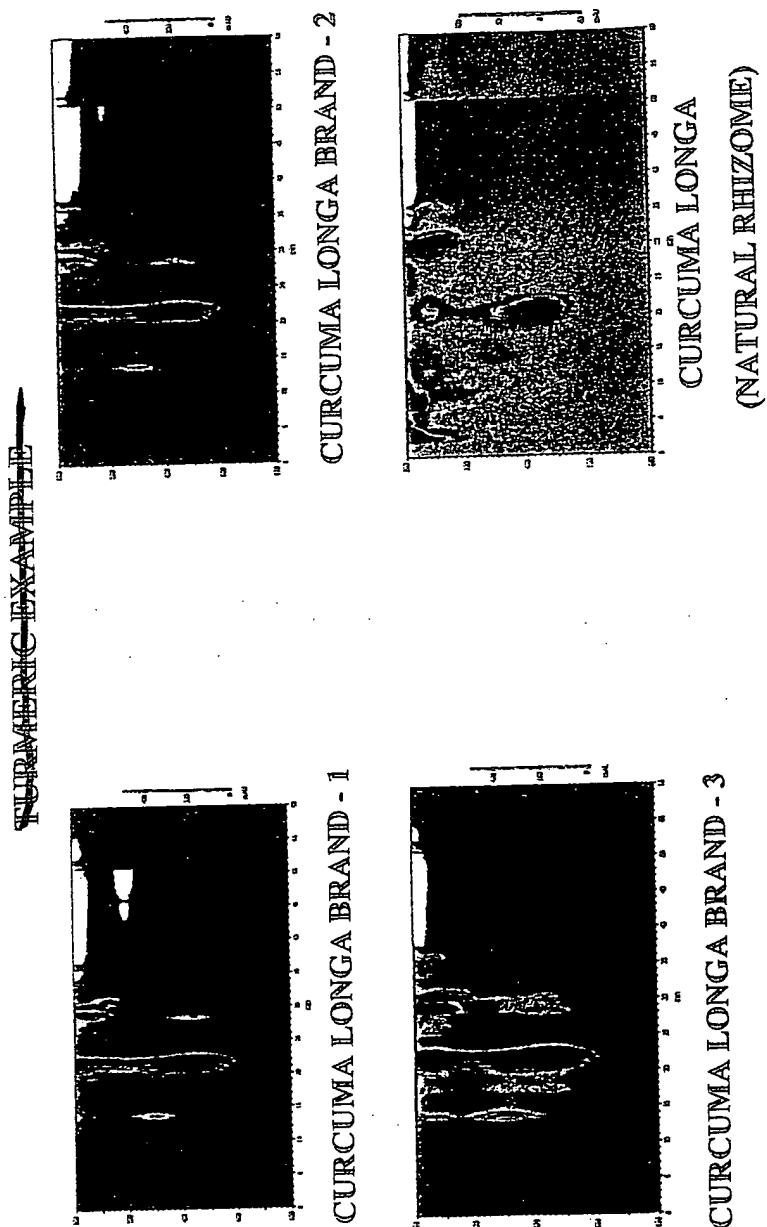
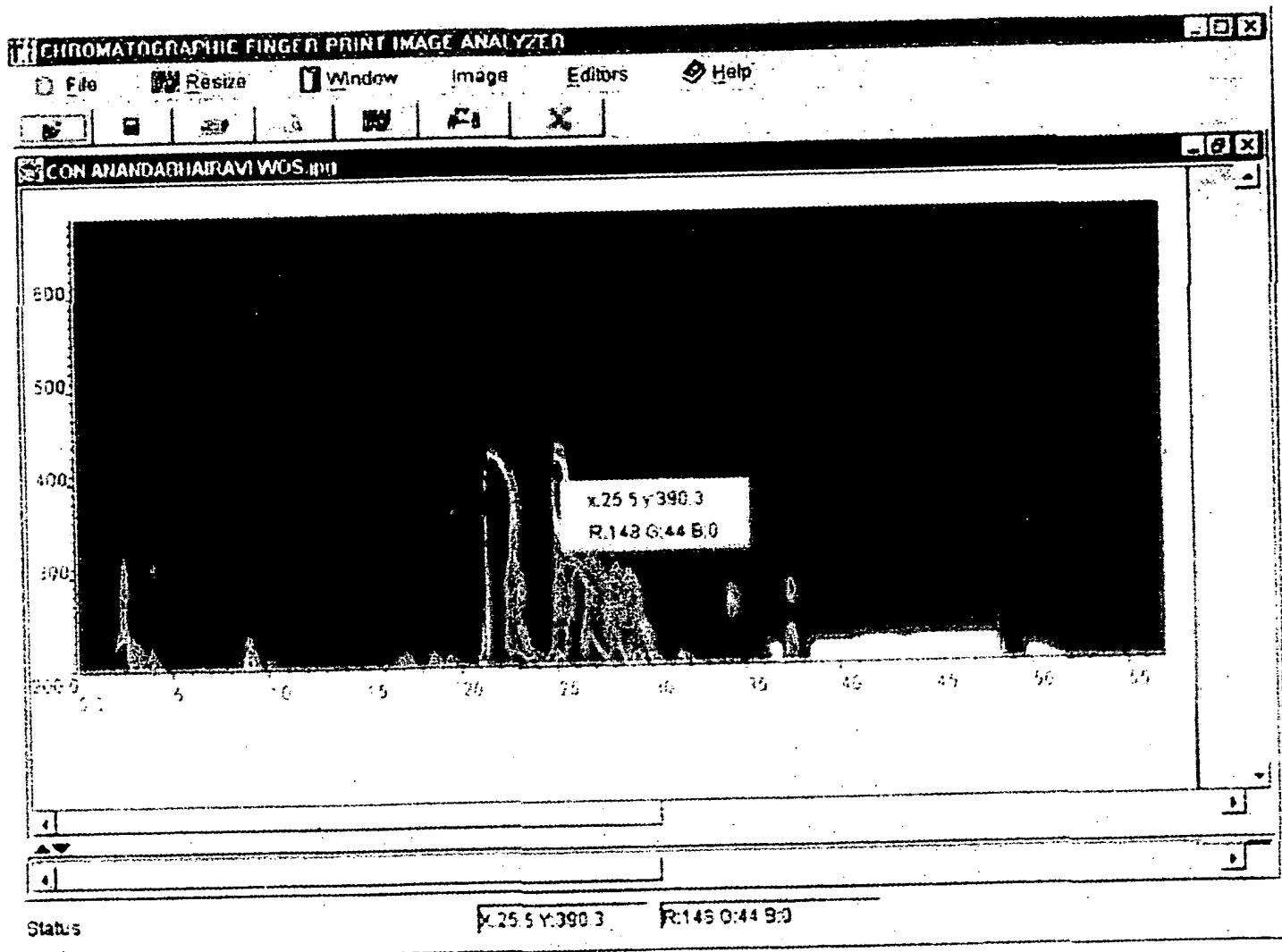


Figure 28

THE FLUORIMERIC EXAMINATIONS
INDICATES THE PRESENCE OF THE YELLOW-COLORED MOLECULES IN ALL
THE FINGER-PRINTS OF THE SAME THERBAL-PRODUCT-INDIFFERENT
FORMS-HELPS IN THE QUALITY CONTROL OF THE NATURAL-SUBSTANCES.
THE COMMON-PEAKS-AT-20-MIN-IN-NATURAL-AND-COMMERCIAL-PRODUCTS

Figure 93

~~IMAGES WITH BAR CODE VALUES GIVEN BY THE SOFTWARE TO FEED FOR A BAR CODING SOFTWARE~~

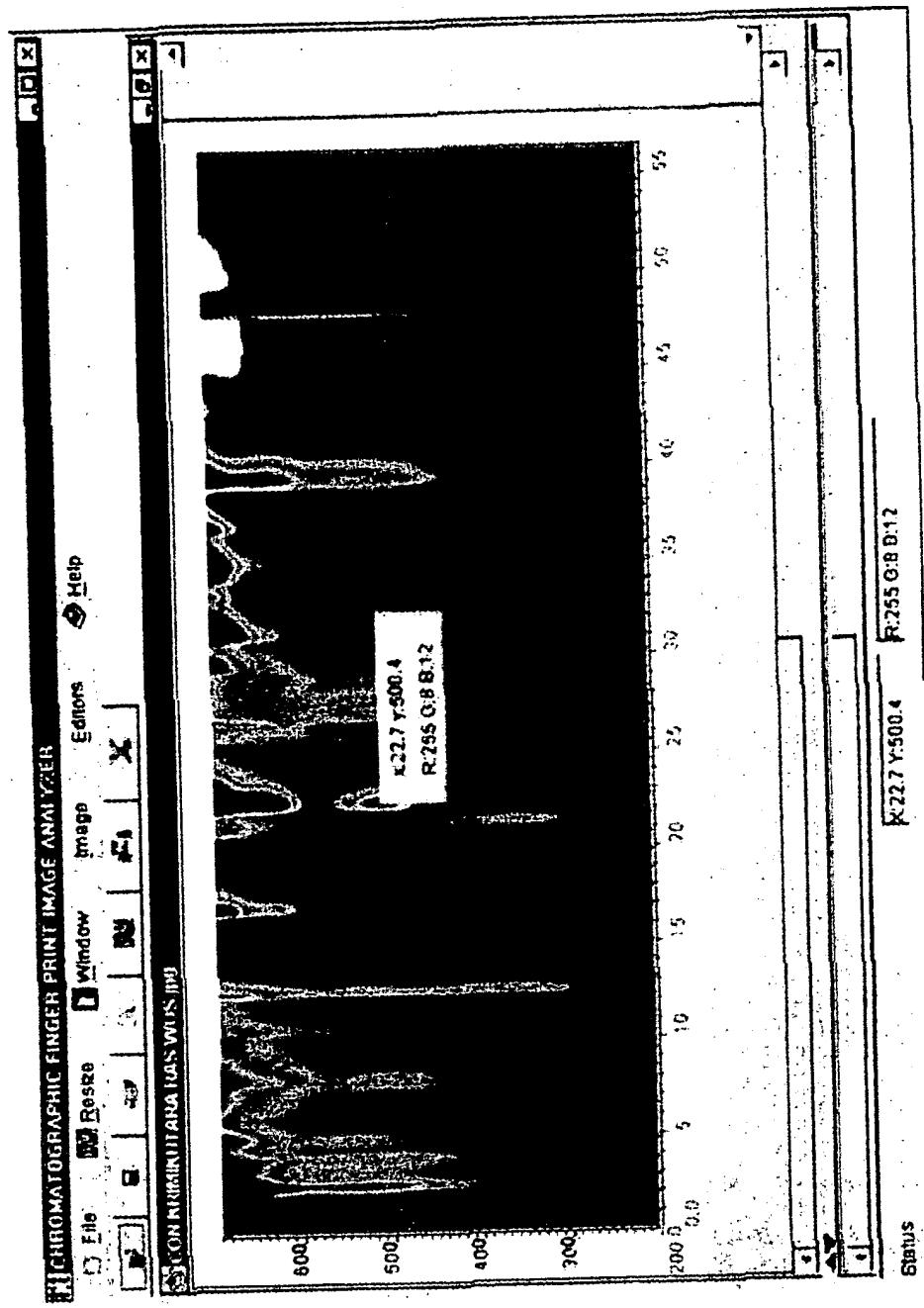


Anandabhairavi Ras

~~Right clicking the image software is able to show the coordinates on the box near the peak. The same is shown in down tool bar. These will be exported to barcoding software which generates a barcode for the said values.~~

Figure 94

IMAGES WITH BAR-CODE VALUES GIVEN BY THE SOFTWARE TO FEED FOR A BAR-CODING SOFTWARE



Ketimikutara-Ras

Same treatment as explained in Figure 93

Figure 95



X25.5Y330.3P149G44B0

ANANDA BHATTACHARYA

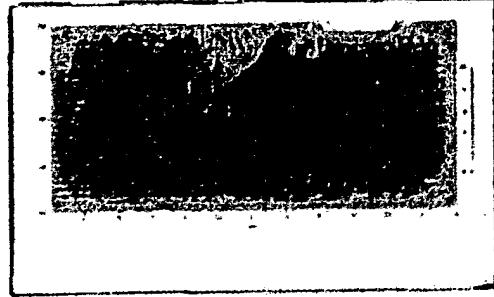
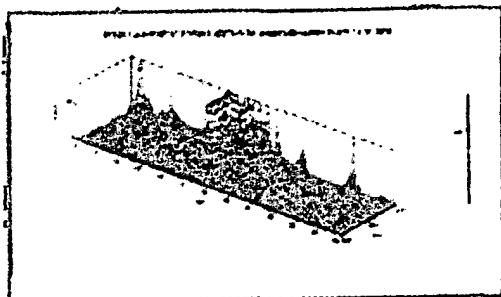
Barcode generated for specified content.

Figure 97

Name of the product: Anandabhairavi Ras

Owner: Industry

Finger prints:



Mfg. Date:

Date of expiry:

Individual constituents:

Batch number:

Lot number:

M.R.P:

Dosage:

Precautions:

For Children:

For pregnant woman:

Barcode:



825.5Y390.3R148G44B0

ANANDABHAIRAVI

Display Window For Anandabhairavi Ras

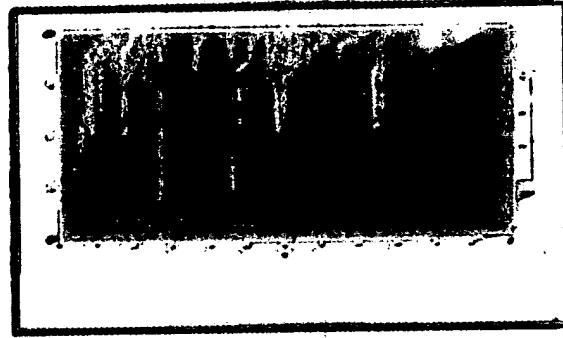
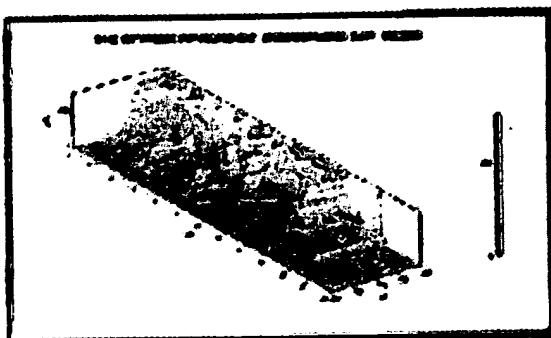
~~Display windows for all the medicines will be done. This becomes a database for ERP CRM application.~~

Figure 98

Name of the product: Krimikutara Ras

Owner: Industry

Finger prints:



Mfg. Date:

Date of expiry:

Individual constituents:

Batch number:

Lot number:

M.R.P.:

Dosage:

Precautions:

For Children:

For pregnant woman:

Barcode:

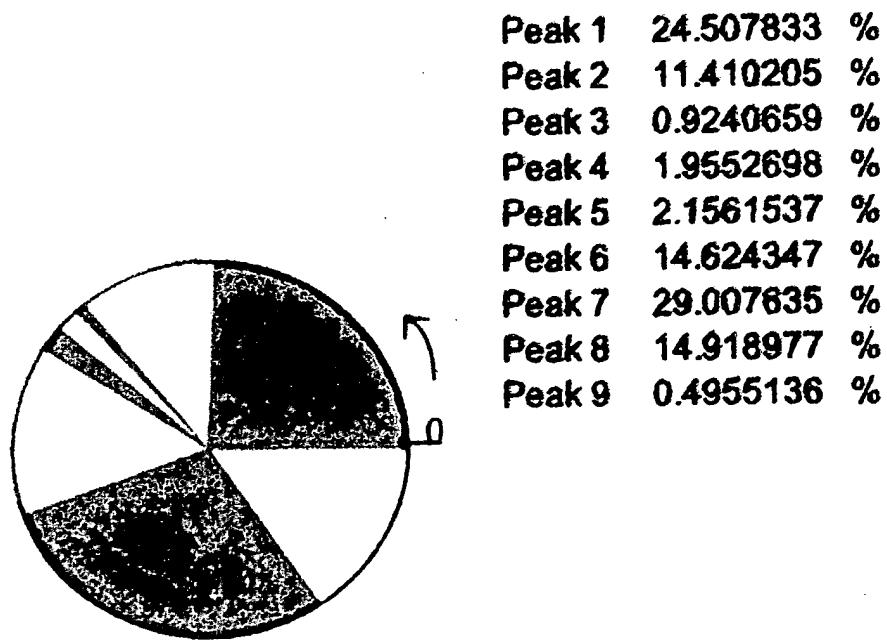


222, 7Y500, 4B25SG9B12

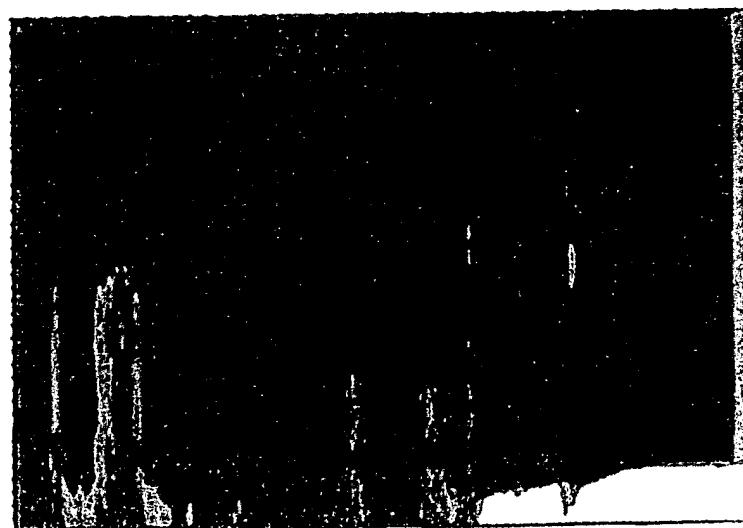
KRIMIKUTARA RAS

Display Window For Krimikutara Ras

Figure 103

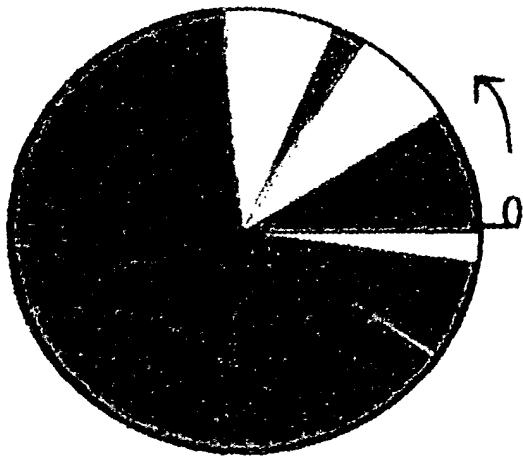


Percentage of pixels represents the constituents.

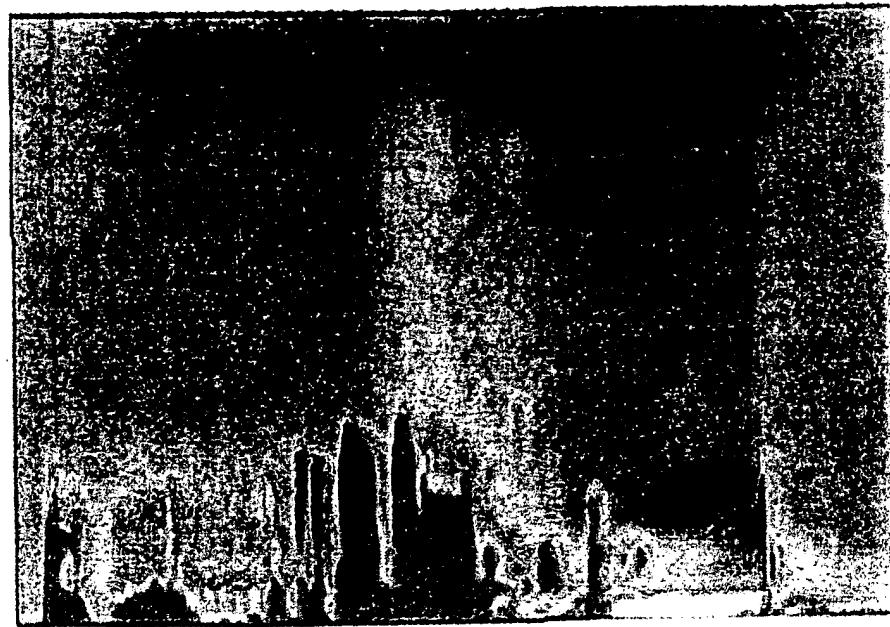


~~PIE DIAGRAM OF AZARDIRACHTA INDICA~~
~~(Tender leaves in February)~~

Figure 104

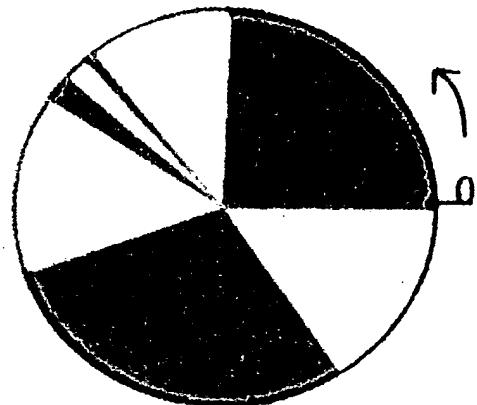


Peak 1	9.27475 %
Peak 2	7.0686646 %
Peak 3	0.06434415 %
Peak 4	0.3860649 %
Peak 5	2.3163893 %
Peak 6	7.620186 %
Peak 7	64.197075 %
Peak 8	0.32172075 %
Peak 9	2.9598308 %
Peak 10	0.11030425 %
Peak 11	3.7227685 %
Peak 12	0.08272819 %
Peak 13	0.54232925 %
Peak 14	0.97435427 %
Peak 15	0.07353617 %
Peak 16	0.28495267 %



—PIE DIAGRAM OF ANANDABHARA VIRAS—

Figure 105



Peak 1	24.507833	%
Peak 2	11.410205	%
Peak 3	0.9240659	%
Peak 4	1.9552698	%
Peak 5	2.1561537	%
Peak 6	14.624347	%
Peak 7	29.007635	%
Peak 8	14.918977	%
Peak 9	0.4955136	%

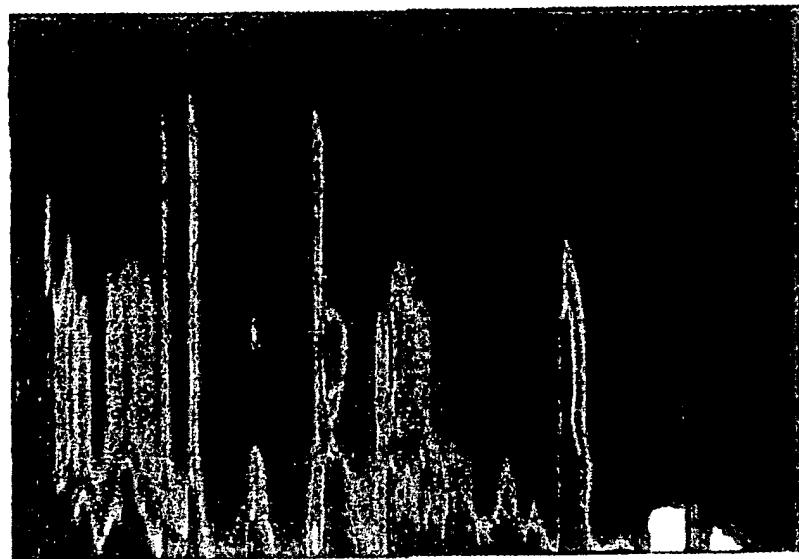
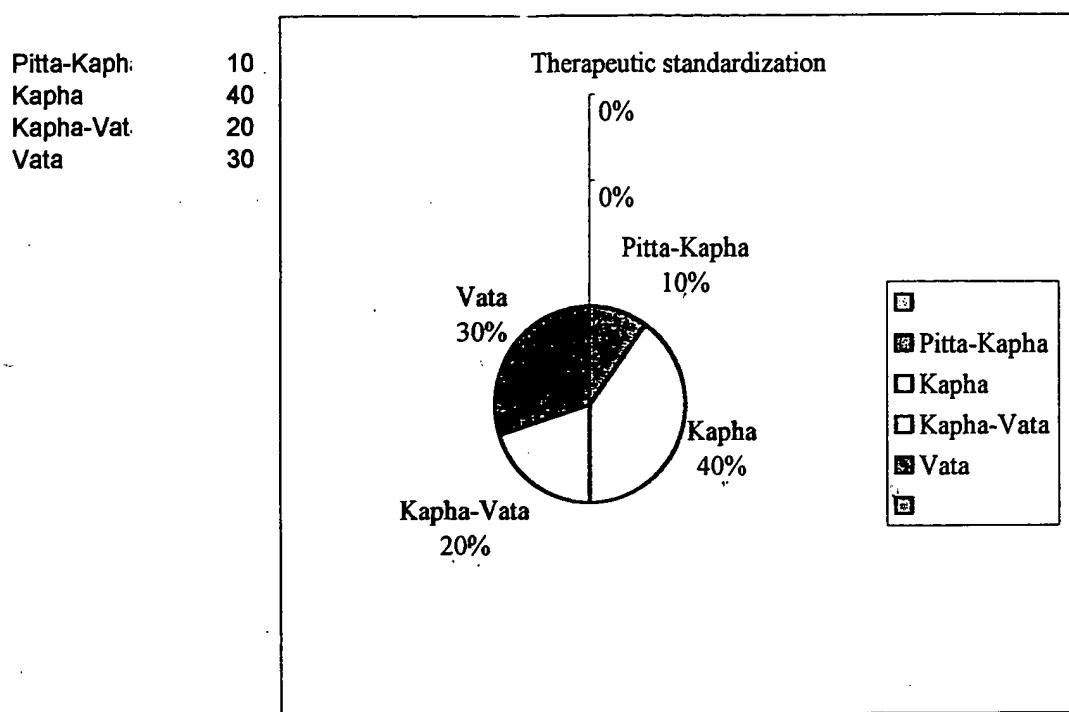


Figure 106

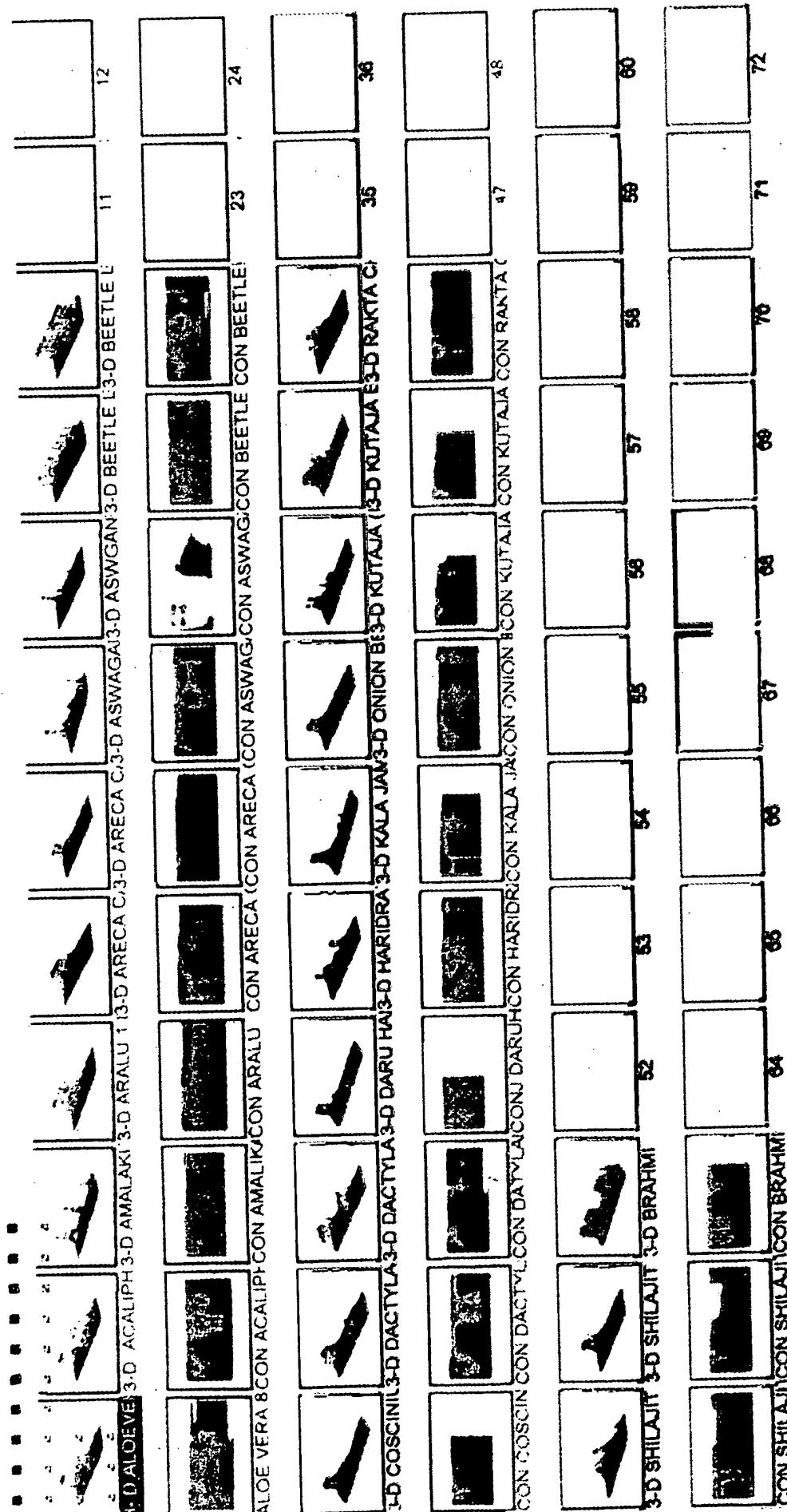
~~Pixel values or percentage values from graphs.~~



~~This gives the efficacy of the medicine due to the constituents present in various zones of the fingerprint.~~

~~The values of pixels were taken generally and are not for a chromatogram. This figure only shows only how it appears.~~

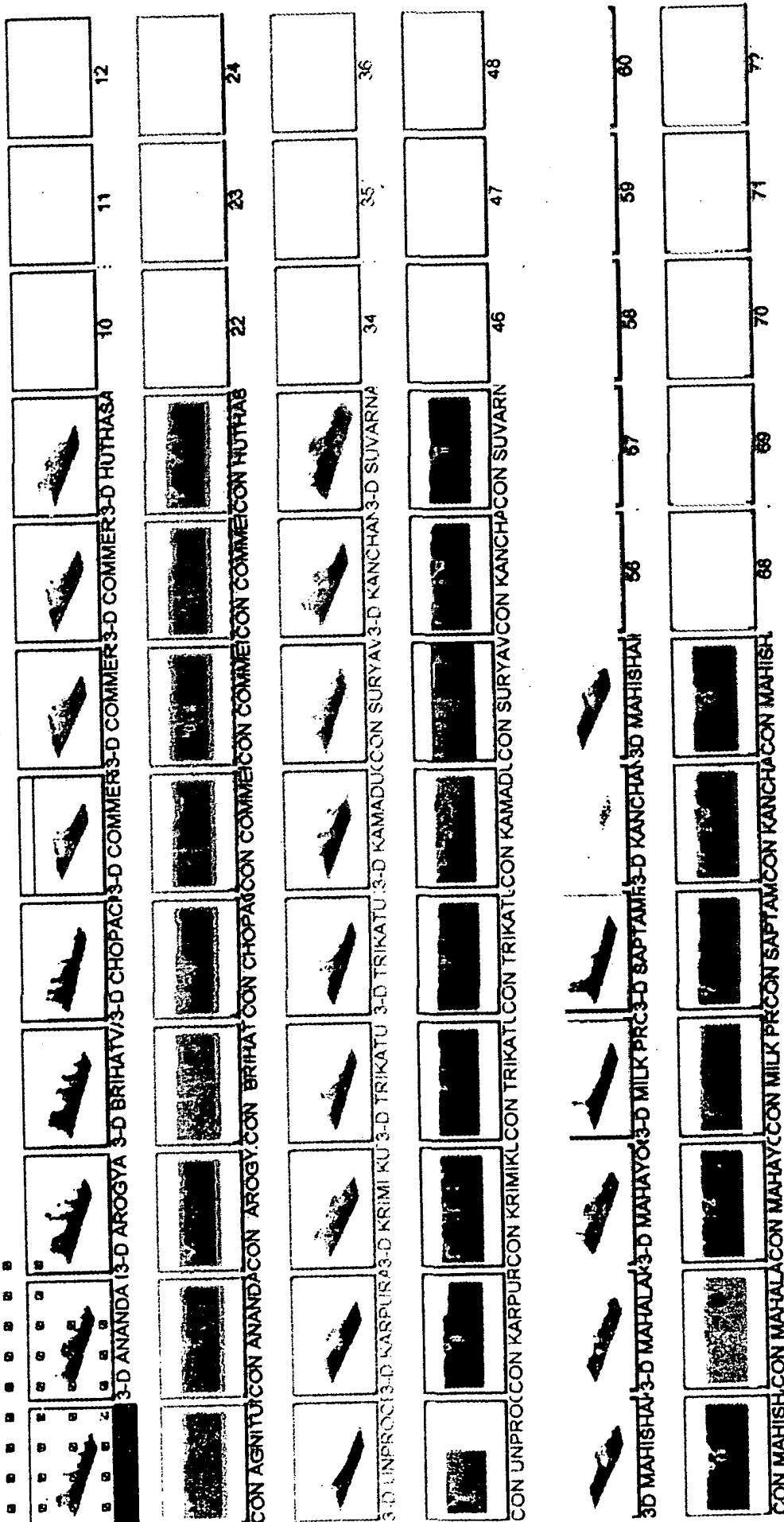
Figure 109



These libraries of 3d and contour images of medicines will be prepared as a database for various ERPs and CRM applications. The 3d and Contour-chromograms are given in top and bottom categories.

Databases based on color, taste, odour, therapeutic value, pharmacological properties, and common names are prepared under various categories of a single medicine.

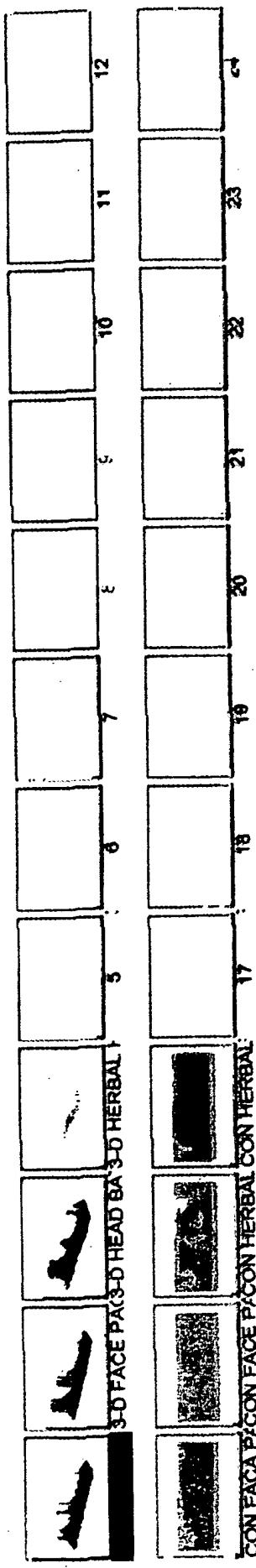
Figure 110



C:\WINDOWS\Desktop\Director files\COMMERCIAL SAMPLES

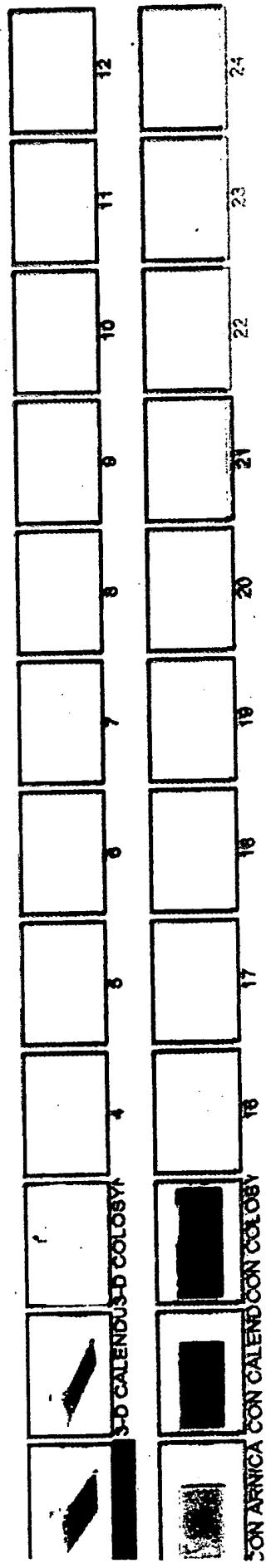
Fri, Sep 22, 2000

Figure 111



→ Example-for-adulterated cosmetic samples. →

Figure 112



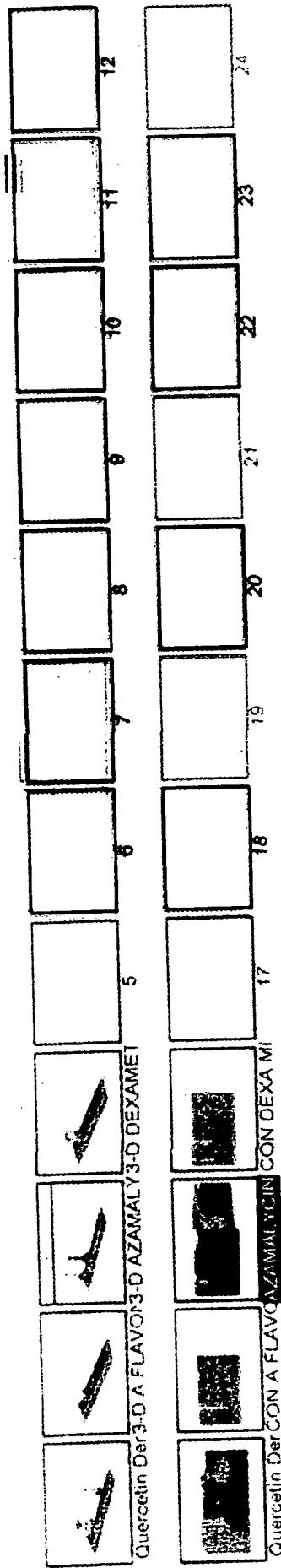
The fingerprint of Mother structure only were done. They can be done to the level of
fatty-gum level as the P.D.A. detectives are very sensitive. Hence edition can also be
fingerprinted



C:\WINDOWS\DES\N:\OP\Director files\ISO / TED COMPOUNDS

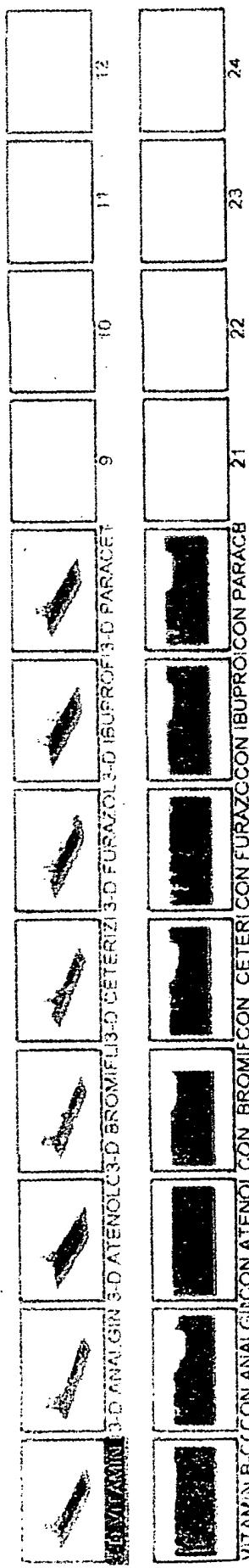
Figure 113

2 2 2
2 2 2



This helps to know the purity after isolation to know the spectrum of an unknown
product

Figure 114



This method can be used for all antipathic medicines for chemical and therapeutic standardization.

Figure 115

Show Images

List of Images

Start

Analyse
(Colour Extraction)

Display images

Analysis

Chromatograms
of each color

No

Print

Zone

Save

Resize

Yes

Yes

Yes

Yes

File System

Printer

Clip Image

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